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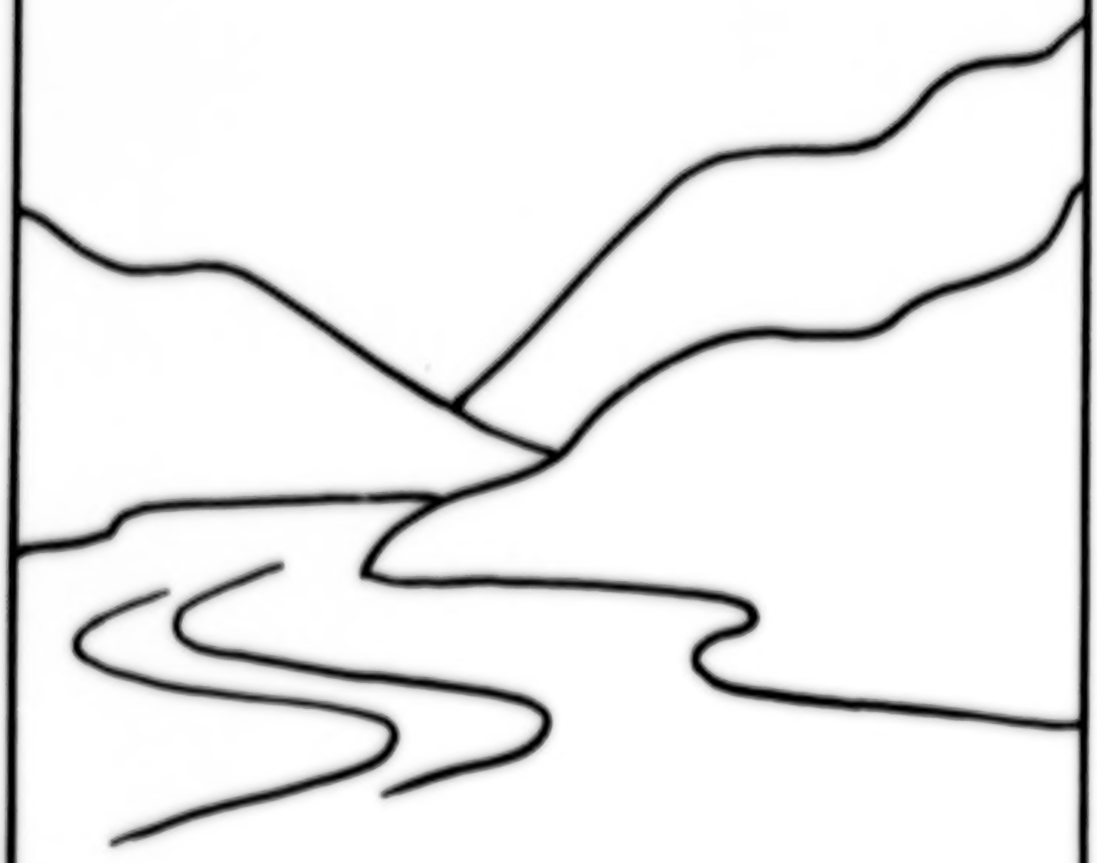
Summary of Traffic Characteristics

Delaware Water Gap National Recreation Area



Prepared for:
National Park Service
U.S. Department of the Interior

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SUMMARY OF
TRAFFIC CHARACTERISTICS

DELAWARE WATER GAP
NATIONAL RECREATION AREA

Prepared for:

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June, 1989

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I. INTRODUCTION

A. Background

The Delaware Water Gap National Recreation Area contains nearly 70,000 acres of scenic land lying along the Delaware River which separates Pennsylvania and New Jersey. Not only is the recreation area a spectacular natural area, but it also provides an opportunity for a wide variety of recreational activity. Because of the quality and uniqueness of these recreational uses, the park attracts visitors from Pennsylvania, New Jersey, and New York.

The Delaware Water Gap is also unique in that the roads within the National Recreation Area fall within the responsibilities of numerous governmental jurisdictions. Furthermore, the traffic volumes on these roads vary substantially. These conditions have led to a desire on the part of the National Park Service, the local jurisdictions, and the two state Departments of Transportation to gain a better understanding of the traffic characteristics and travel patterns in the area.

As a result, several traffic data collection efforts and studies have been undertaken in recent years. In 1988 a number of the local governments sponsored the Route 15/206 Corridor Study to address concerns of traffic conditions on this important route in New Jersey. Addressing this same highway, the New Jersey Department of Transportation conducted the Route 206 Origin and Destination Study in the summer of 1988 to determine the travel patterns of motorists using that road.

Furthermore, the National Park Service has initiated a comprehensive traffic counting program in the National Recreation Area. This program has included the installation of permanent recording stations at key locations within the recreation area and an extensive series of blanket counts conducted last summer at locations dispersed throughout the park. The purpose of this report is to summarize the traffic data which have been collected to date from this program. This summary not only serves to provide a better understanding of existing conditions, but also provides insight to the need for additional data to be compiled through a continued traffic monitoring program.

B. Road System

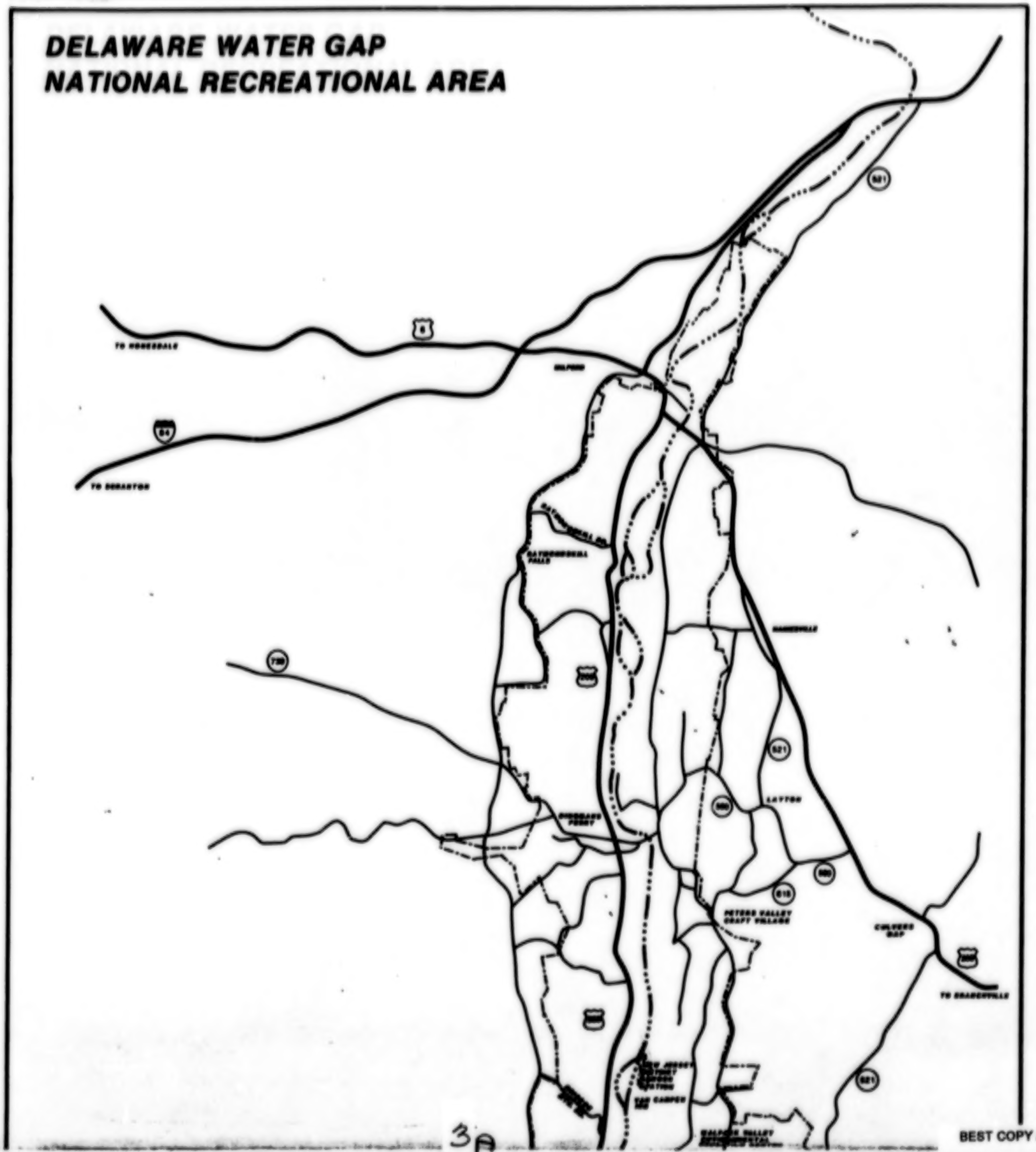
Private automobiles are the primary means for visitor access to and circulation within the National Recreation Area. The recreation area currently contains approximately 250 miles of roads open for public use. Roads within its boundary are the responsibility of a variety of jurisdictions, including Federal, State, County, Township, and private roads. Many of these roads serve a variety of functions, including visitor use, access to private development, and local commuter traffic. Figure 1 illustrates the primary road system in and around the National Recreation Area.

As can be seen from this figure, there are only three links across the Delaware River within the boundaries of the recreational area: I-80 on the south end of the park, the historic Dingman's Ferry Bridge in the middle, and the Milford Montague Bridge on US 206 at the north end of the park. Each of these facilities is a toll bridge.

In Pennsylvania, the park is traversed in a north-south direction by US Highway 209. The only other north-south road with much continuity on the west side of the river is River Road. In the east-west direction, Pennsylvania Routes 611 and 739 are important roadways. Several other roads (Raymondskill Road, Brodhead Road, and Briscoe Mountain Road) also provide for east-west travel on the Pennsylvania side, all connecting to US Route 209.

The most significant roadway traversing the New Jersey portion of the recreation area is US 206. The US 206 corridor is a major north-south roadway in this part of New Jersey and traverses the park at its north end. Also in the north-south direction, primary movement within the recreation area is provided by Old Mine Road. The Flatbrookville/Stillwater Road (Route 627), the Millbrook/Blairstown Road (Route 602), and Route 560 (previously Route 521 Spur) are the primary east-west roadways on the New Jersey side of the recreation area.

DELAWARE WATER GAP
NATIONAL RECREATIONAL AREA



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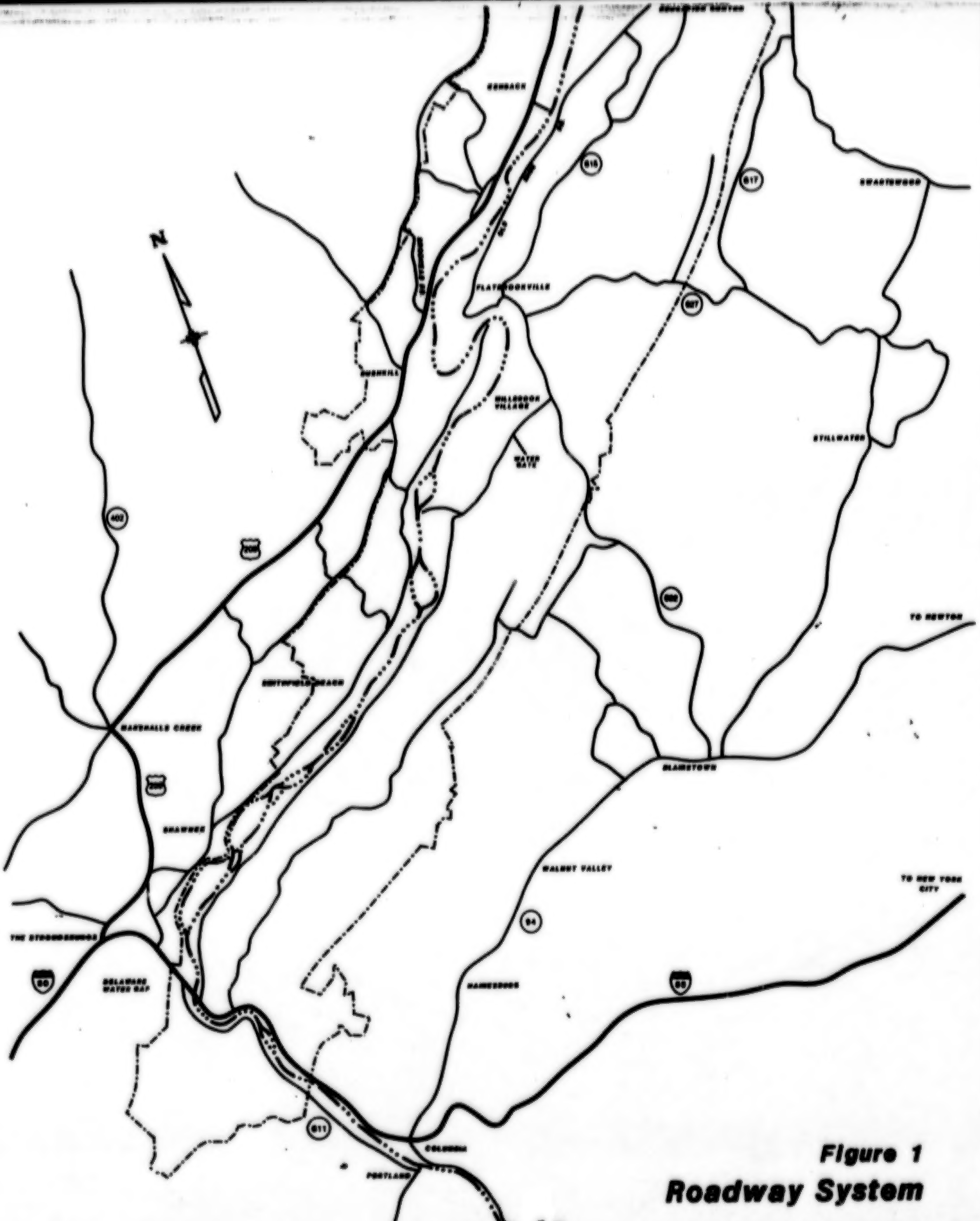


Figure 1
Roadway System

II. EXISTING TRAFFIC PATTERNS

A. Traffic Count Program

The backbone of the traffic data collection program within the National Recreation Area is the system of automated traffic recorders (ATRs) which has been installed in recent years. At these permanent counting stations, traffic volumes are continuously recorded 24 hours a day, 365 days a year. Such data are now being collected at six permanent locations dispersed throughout the park (see Figure 2):

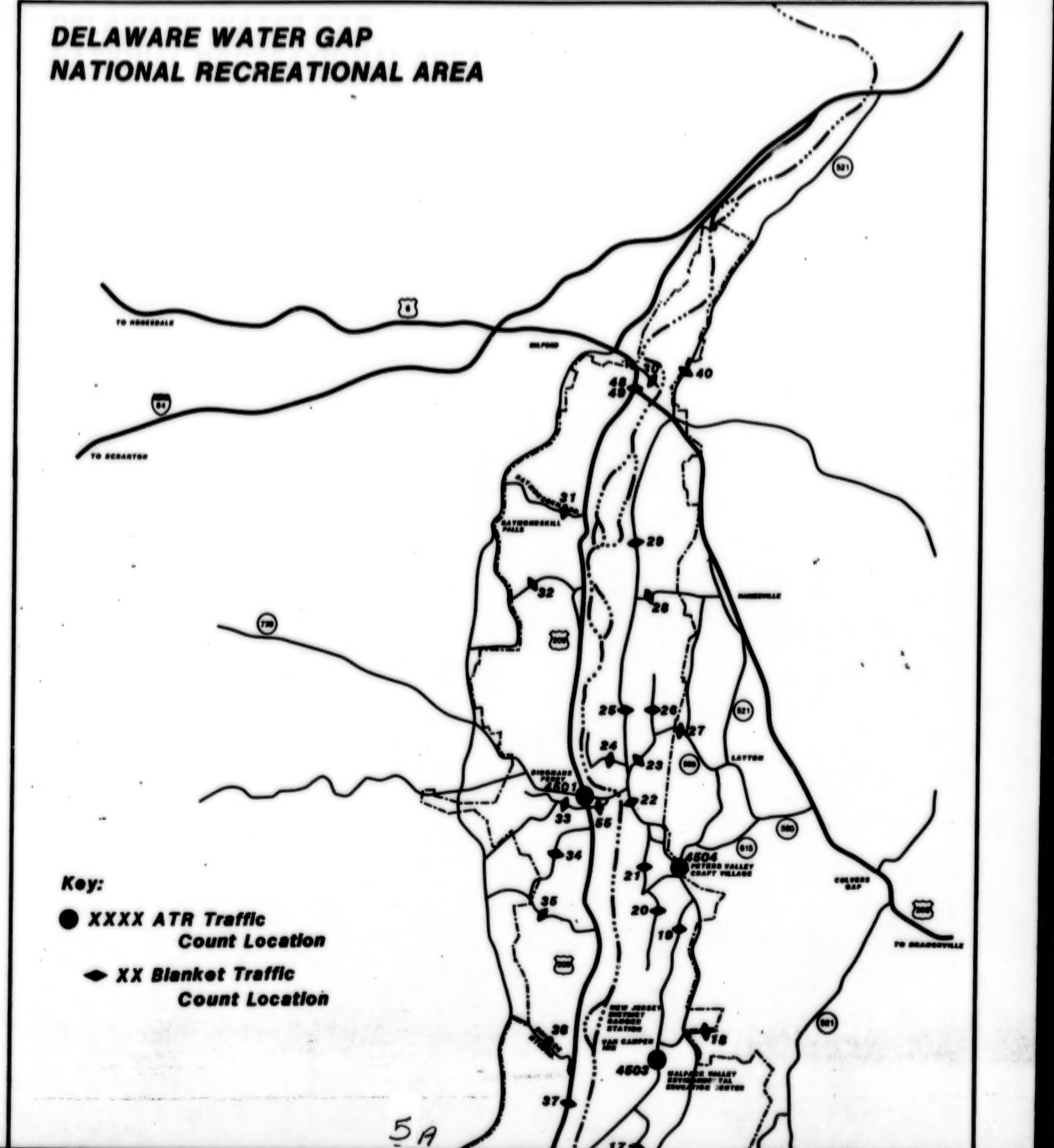
- Station 4501 - Intersection of Route 209/Route 739
- Station 4502 - Pennsylvania River Road at Smithfield Beach
- Station 4503 - Old Mine Road at New Jersey Ranger Station
- Station 4504 - Peters Valley
- Station 4505 - Millbrook Village
- Station 4506 - Old Mine Road at Worthington Campground

Several of these ATRs were either totally or partially installed in the fall of 1987. However, most were not installed until late summer/early fall of 1988. Furthermore, because of some operational difficulties at several of the locations, the information available from these counters is limited at this time. However, they are all fully operational at the present time and will be an invaluable resource for continued traffic monitoring.

In addition to the ATR count locations, the National Park Service conducted blanket counts at over 40 locations throughout the park between June and September 1988. Figure 2 also illustrates the locations at which these blanket counts were conducted. The counts were typically recorded for seven continuous days and many locations were counted for one week each in several months. In addition, NPS staff conducted hourly turning movement counts at the intersection of Route 209/Route 739 on a Wednesday and a Sunday in July in order to better understand the turning patterns at this critical intersection on the Pennsylvania side of the park.

Several other sources of either traffic volumes or related data were also identified and researched for potential information. Some of the information provided in this report was obtained from one of the following additional sources:

DELAWARE WATER GAP NATIONAL RECREATIONAL AREA



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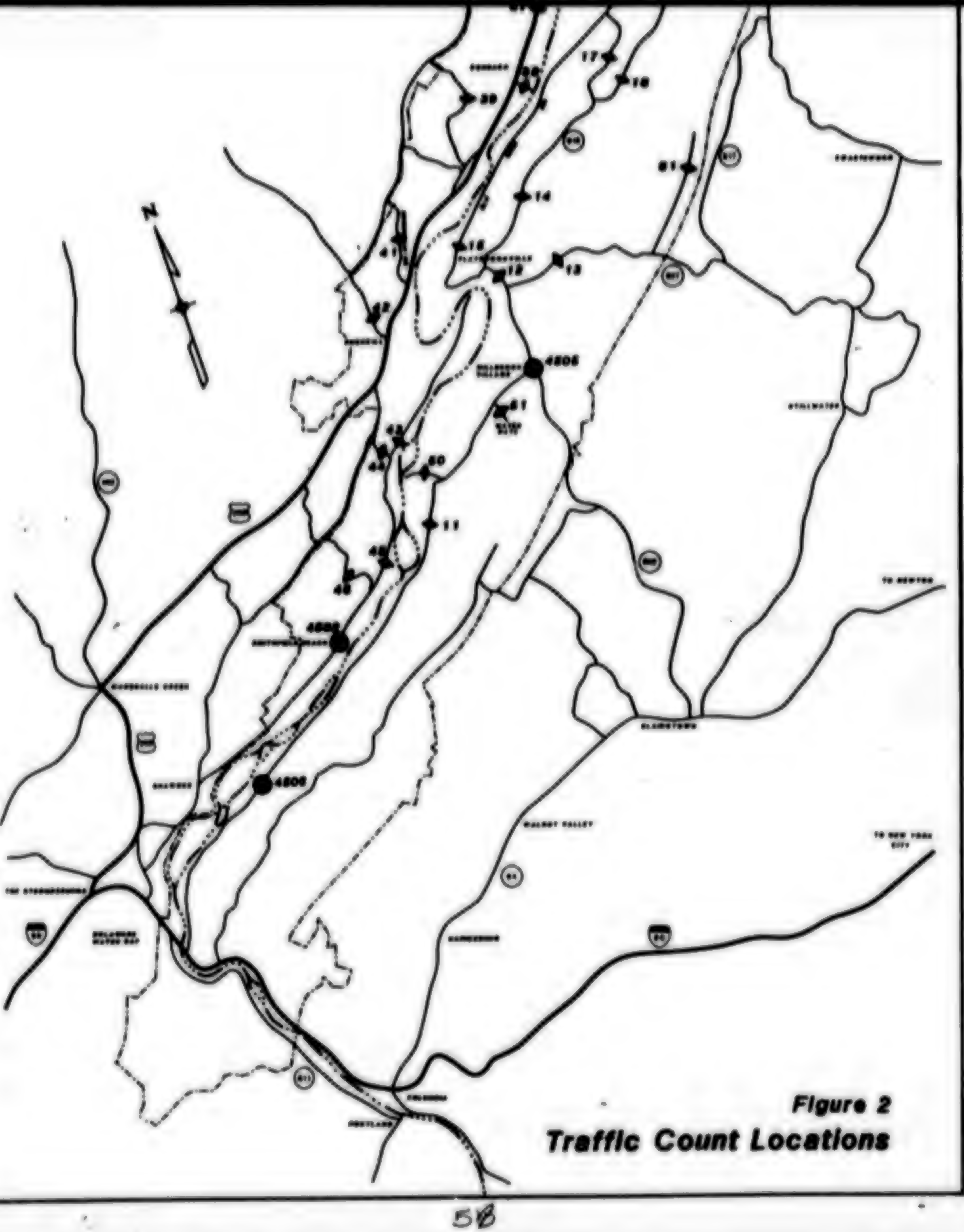


Figure 2
Traffic Count Locations

- Recreation area visitation records maintained by the Statistics Branch of the National Park Service at the Denver Service Center.

- Automatic traffic counting equipment operated by the National Park Service and located at the North and South Contact Stations on US 209.

- Traffic counts at the Milford Montague Bridge as recorded by the Delaware River Joint Toll Bridge Commission.

Much of the available traffic data is provided in summary form in the Appendix of this report.

B. Summer Daily Traffic Volumes

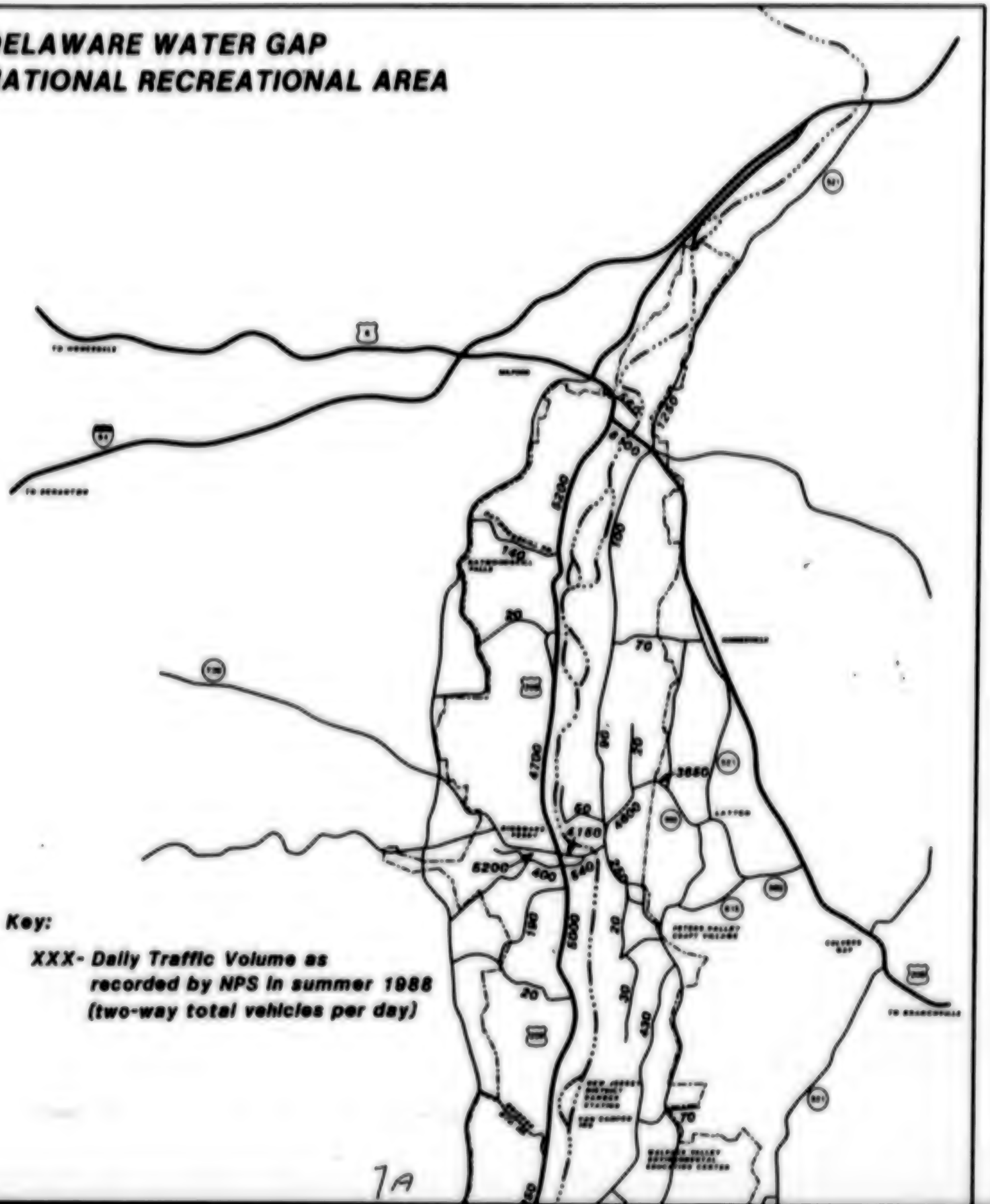
The results of the 1988 summer count program are summarized on Figure 3, which depicts the typical daily traffic volumes counted on the roadways within the park. As can be seen by reviewing this figure, the roads generally fall into three categories, based on volumes of traffic being served.

The first group of roads, carrying traffic volumes ranging from 4,000 vehicles per day to over 9,000 vehicles per day, is limited to only a few roads. Route 209 is carrying volumes ranging from approximately 5,000 vehicles per day in the northern part of the recreation area to over 9,000 vehicles per day in the vicinity of the South Contact Station. US 206, running across the park at the north end, is carrying approximately 8,000 vehicles per day during the summer months. The other two routes in this classification, Route 560 in New Jersey and Route 739 in Pennsylvania, connect to provide the east-west corridor through the middle of the recreation area. Typical volumes experienced on these roadways are in the range of 4,000 to 5,000 vehicles per day.

The next group of roads is comprised of roads that primarily serve north-south movement within this linear park and which are in the vicinity of the more heavily visited areas of the park. Included in this category are Pennsylvania River Road, and Old Mine Road in New Jersey. The summertime volumes on these roadways generally fall within the range of 200 to 600 vehicles per day.

Most other roads in the National Recreation Area carry very low volumes of traffic, generally less than 150 vehicles per day. These are roads which are strictly local in nature and have very little, if any, regional significance within the roadway network. There are, however, several roads which typically fall into this category but which experience very heavy weekend volumes. One such example is the road leading to Milford Beach; this road was observed to carry volumes as high as 1,500 vehicles per day on one weekend day in July.

DELAWARE WATER GAP NATIONAL RECREATIONAL AREA



Key:

XXX- Daily Traffic Volume as recorded by NPS in summer 1988 (two-way total vehicles per day)

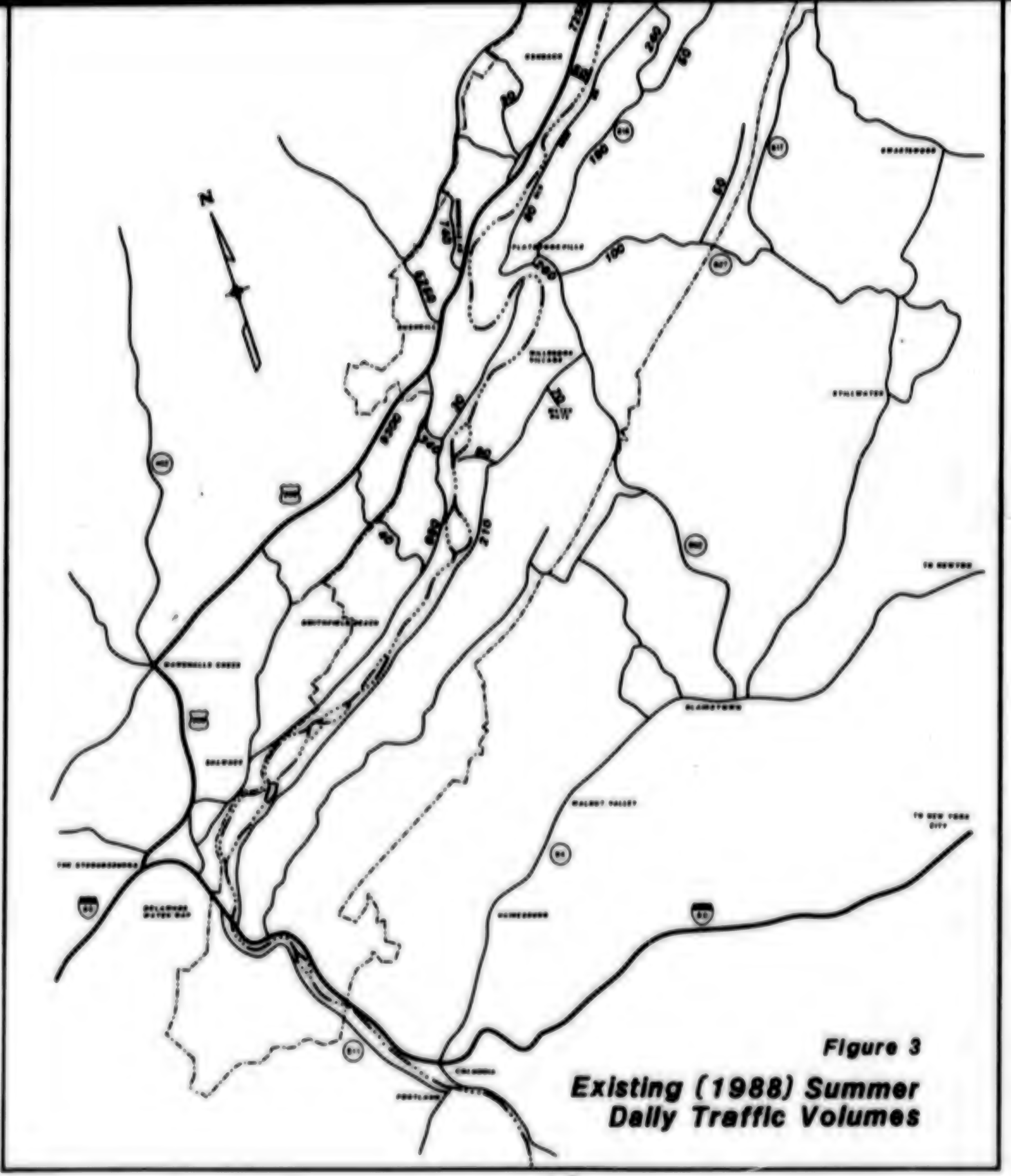


Figure 3

Existing (1988) Summer Daily Traffic Volumes

7B

C. Seasonal Traffic Variations

While the volumes in Figure 3 are indicative of the traffic conditions during the summer months, it would also be helpful to understand the general patterns of activity during other times of the year. Two sources of data were sufficiently complete to provide a picture of the pattern of fluctuation which can be anticipated throughout the year. The most complete traffic volume data base is the continuous traffic counts conducted on US 209 south of Dingman's Ferry (ATR Station 4501). The other available source which was analyzed was the monthly visitation data maintained by the National Park Service.

Figure 4 illustrates a plot of these two data bases, depicting the relationships between each month and the average month. As seen on the figure, the patterns are similar. Generally, the months from June through September are higher than the average month, while the other months are equal to or lower than the average. Specifically, in both instances, the months of July and August represent the highest months, while January and February are the lowest months of the year. However, the visitation data are more highly peaked than are the traffic volumes on US 209.

Because the visitation data are directly related to recreational activity in the park, one would expect traffic volumes on roadways which primarily serve recreational traffic to reflect seasonal patterns very similar to the pattern of the visitation data. The "flattening" of the monthly fluctuation exhibited by the US 209 traffic data may depict the influence of non-recreational traffic also using this roadway. As recreational traffic becomes less dominant in the mix of total traffic on a roadway, this "flattening" of seasonal fluctuation should become more evident.

D. Adjusted Annual Daily Traffic Volumes

Utilizing traffic data compiled through the ATR counting program, it is possible to develop factors that can be applied to the summer count program results to estimate annual average daily traffic (AADT) volumes on these roadways. Based on these data, adjustment factors (a multiplier to be applied to the summer volume to determine the annual average volume) were determined to be in the general range of 0.6 to 0.7. These account for the fact that the traffic volumes during the summer months tend to be higher than the traffic during the average month of the year.

Applying these factors to the summer counts results in the AADT volumes plotted on Figure 5 (also see Annual Traffic Count Report in the Appendix). With this adjustment process, the volumes depicted on Figure 5 represent similar patterns within the park as those illustrated earlier; however, the magnitude of the volumes is significantly lower than those illustrated on Figure 3.

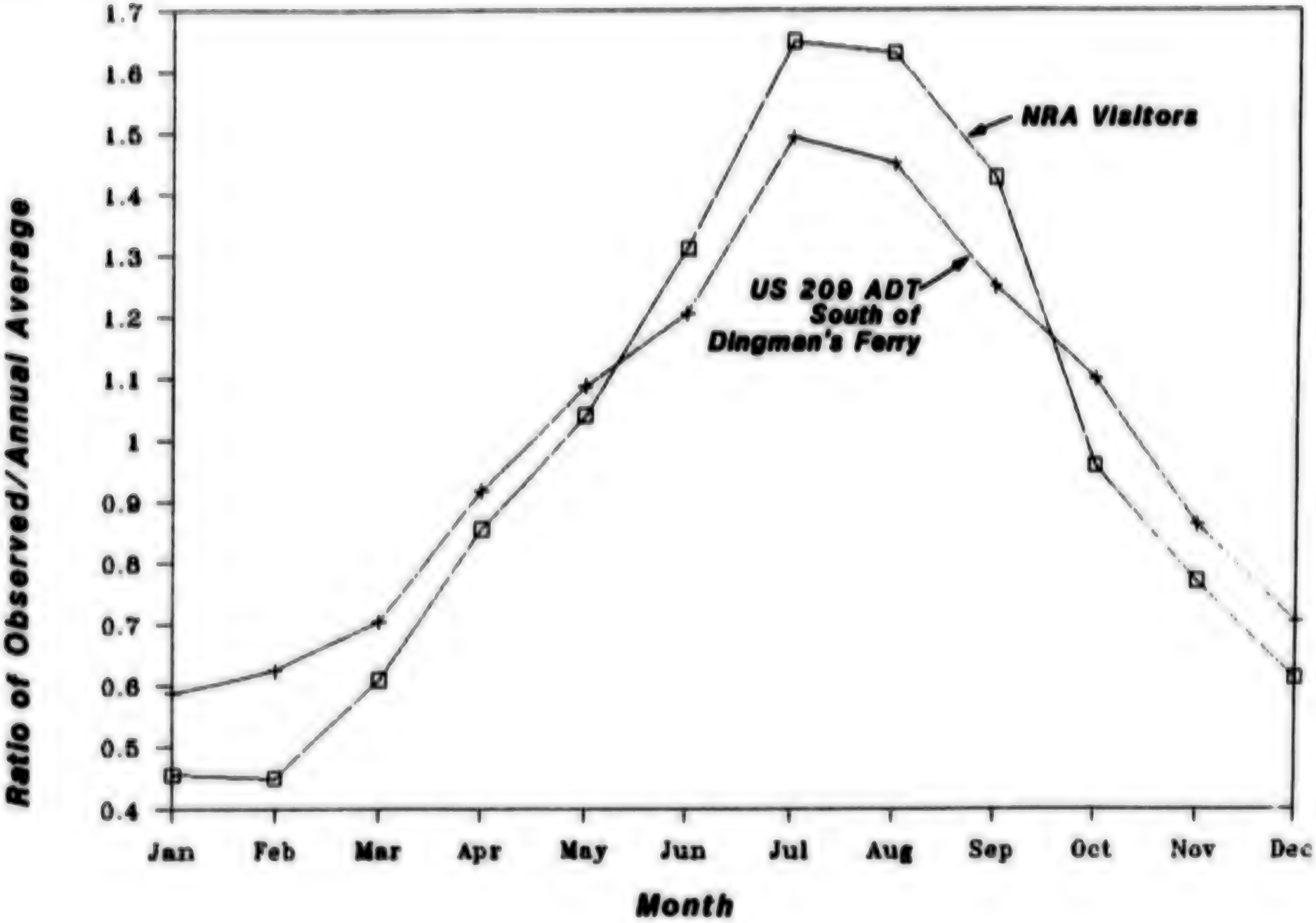
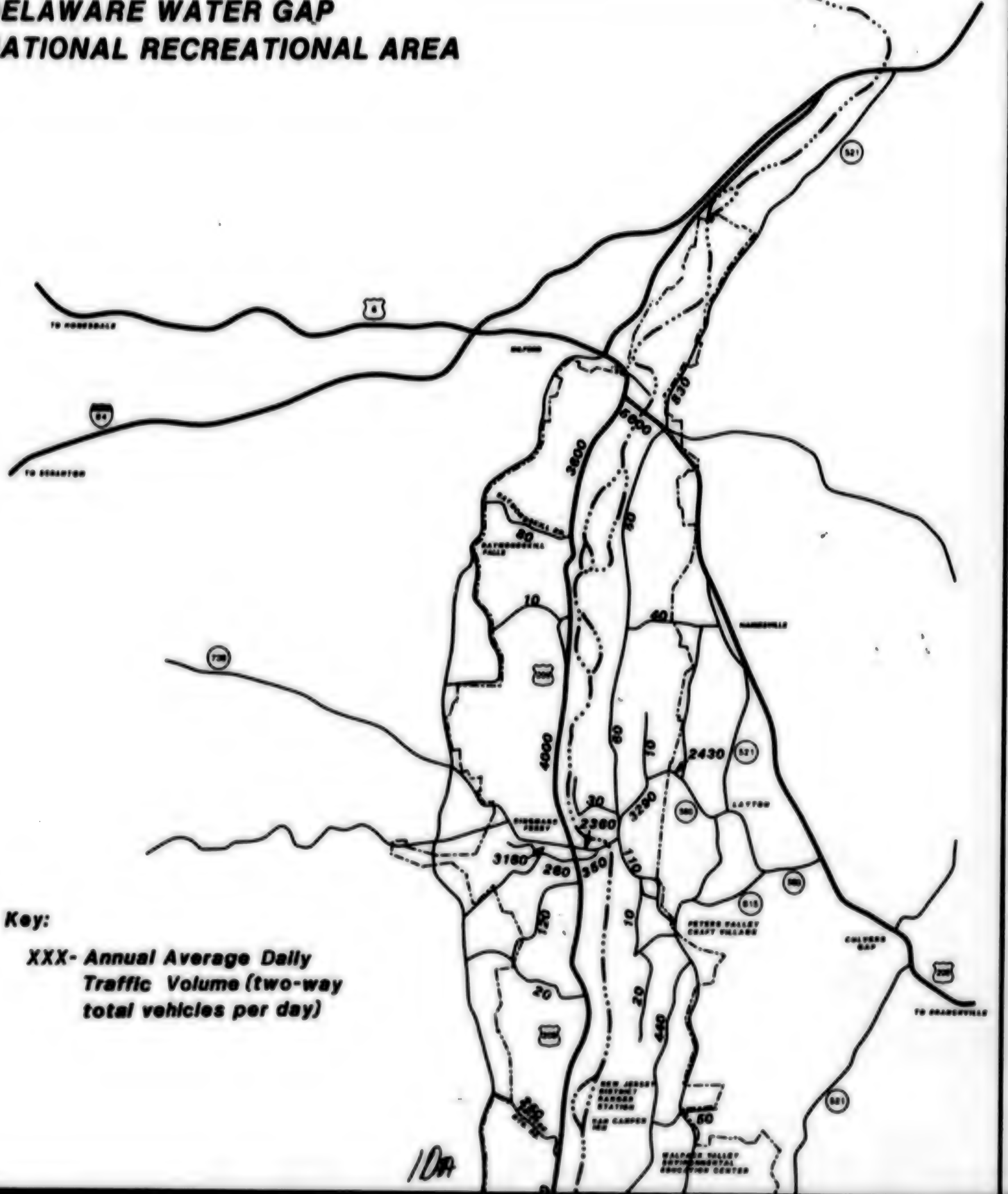


Figure 4

Seasonal Variation Patterns

DELAWARE WATER GAP
NATIONAL RECREATIONAL AREA



Key:

XXX- Annual Average Daily Traffic Volume (two-way total vehicles per day)

10A

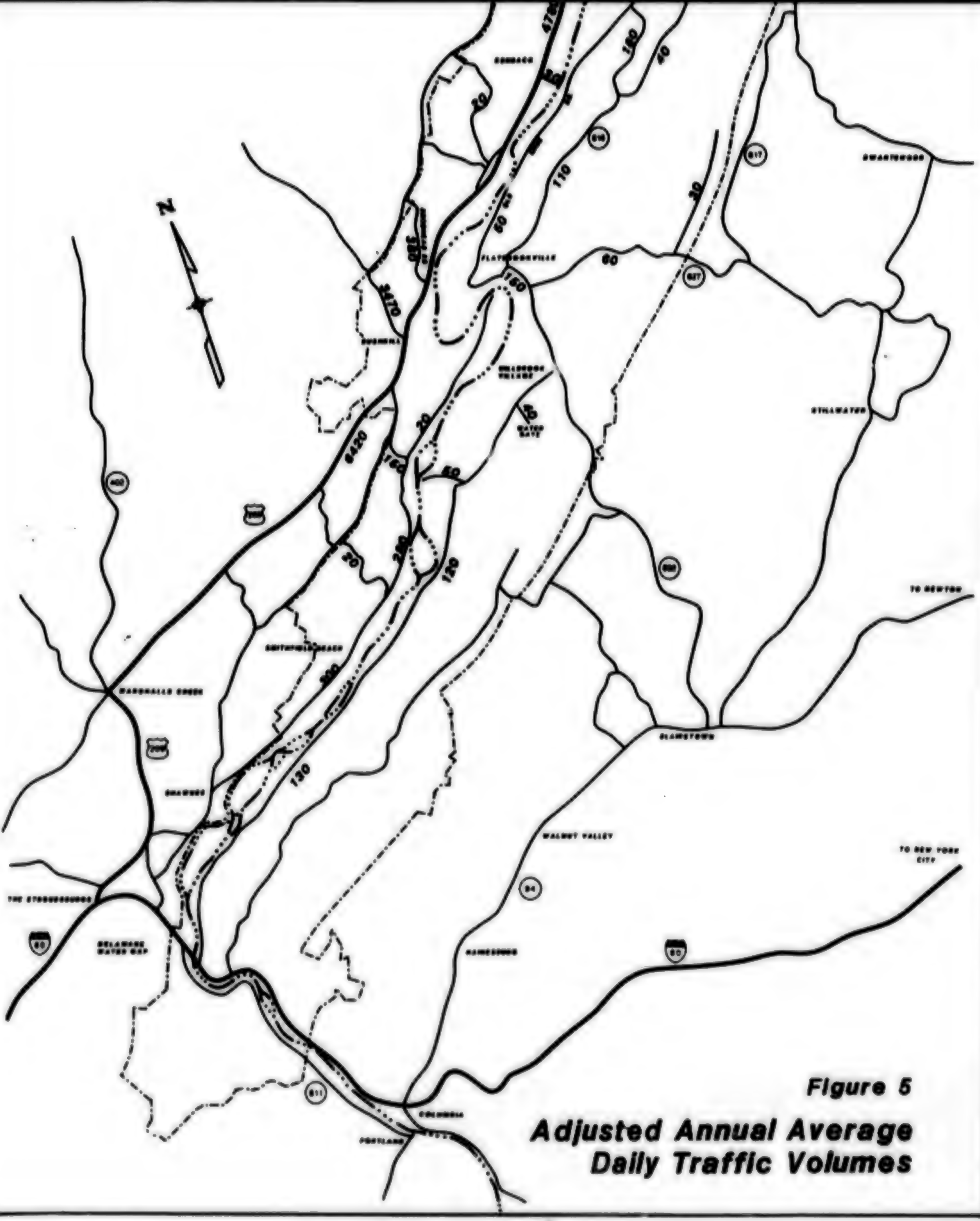


Figure 5

Adjusted Annual Average Daily Traffic Volumes

E. Primary Traffic Patterns Through the National Recreation Area

Whether one reviews the summer counts or the annualized traffic volumes, Figure 6 illustrates the primary travel demand patterns within the park. The "bandwidths" reflect the relative magnitude of the traffic volumes on the roads. Any road not shown with a "bandwidth" carries volumes sufficiently low that graphic depiction of the volumes would not be discernible.

This graphic illustrates that the heaviest traffic volumes with which the park must deal are related to travel on roadways of regional significance traversing the park. It further highlights the categorization of the roadway system as previously discussed. Those roadways which dominate the graphic are those primary routes through the recreation area (US 209, US 206, and the Route 739/560 connection). The next category of roadways (shown by narrow bandwidths) include Pennsylvania River Road and Old Mine Road in New Jersey. Finally, the roads primarily serving local recreational travel within the recreation area carry such low volumes that they cannot be depicted in a bandwidth diagram of this sort.

F. Weekly and Hourly Traffic Patterns

Several of the sources of data are sufficiently detailed to allow one to ascertain some of the traffic fluctuations which are being experienced by day of the week and by hour of the day.

Figures 7 and 8 illustrate the distribution of traffic volumes throughout the week on US 206 at the Milford Montague Bridge and on US 209 at Dingman's Ferry, respectively. Both of these graphics are based on traffic data from summer months; the US 206 data are based on a week of counts in July, while the US 209 data are based on the entire month of August. Interestingly, the two graphs depict nearly identical patterns. They both indicate higher traffic volumes on weekends, possibly reflecting the additional impact of the recreational nature of both the National Recreation Area and the surrounding environs. In both cases, the days most representative of the average day of the week are Friday (slightly higher than the average) and Monday (slightly lower than the average). An average of these two days would be equivalent to the average day of the week. Data for the months of October and November on US 209 at Dingman's Ferry were also reviewed. During both months, although the volumes were lower than those shown on Figure 8, the same pattern throughout the week as depicted by Figure 8 was evident.

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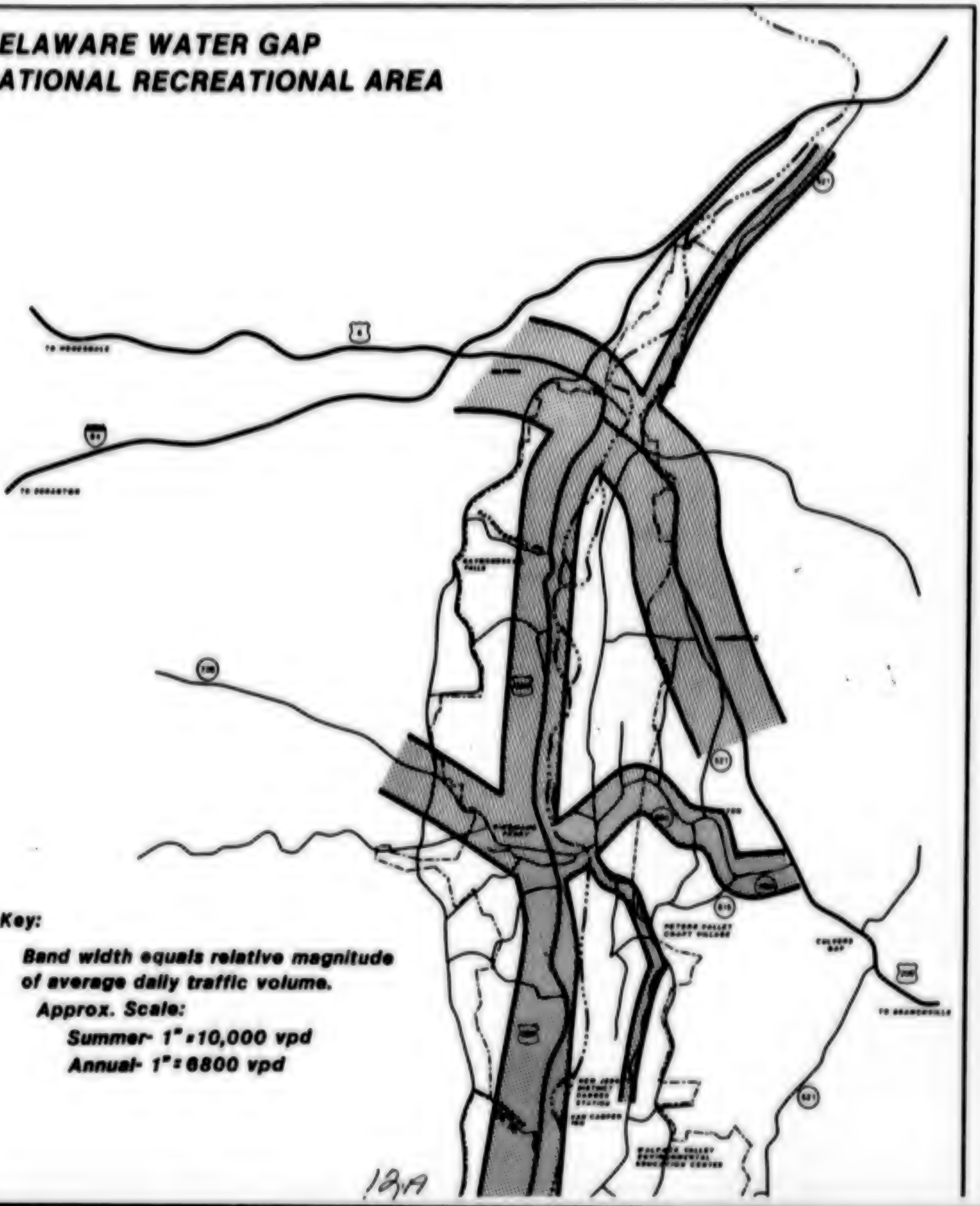
NATIONAL RECREATIONAL AREA



TO HONESDALE
6
84
TO SCRANTON
739
521
209
615
206
PETERS VALLEY CRAFT VILLAGE
CULVERS GAP
TO BRANCHVILLE
NEW JERSEY DISTRICT RANGER STATION
VAN CAMPEN INN
WALPACK VALLEY ENVIRONMENTAL EDUCATION CENTER

Key:

Band width equals relative magnitude of average daily traffic volume.

Approx. Scale:

Summer- 1" = 10,000 vpd

Annual- 1" = 6800 vpd

12A

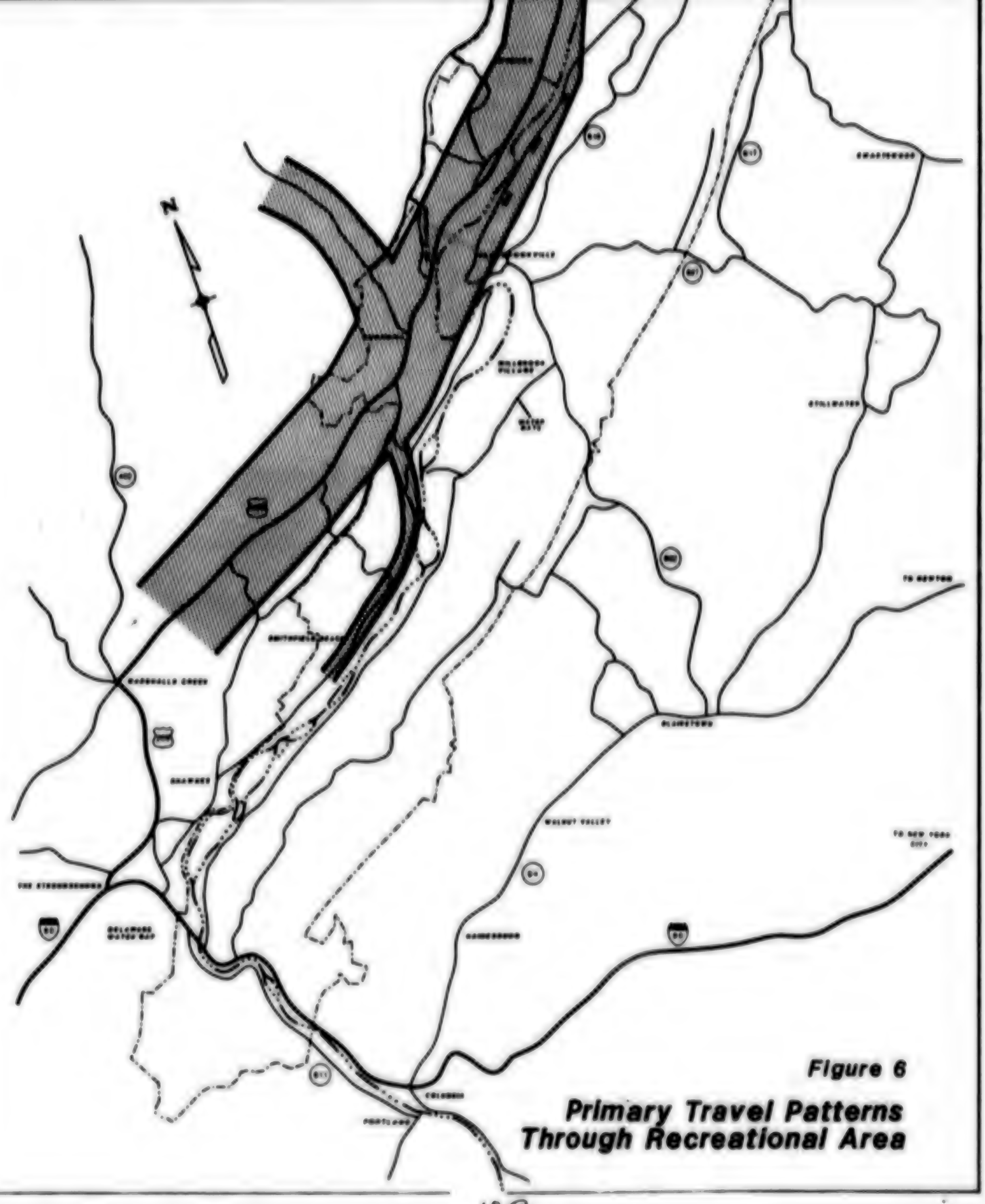


Figure 6

Primary Travel Patterns Through Recreational Area

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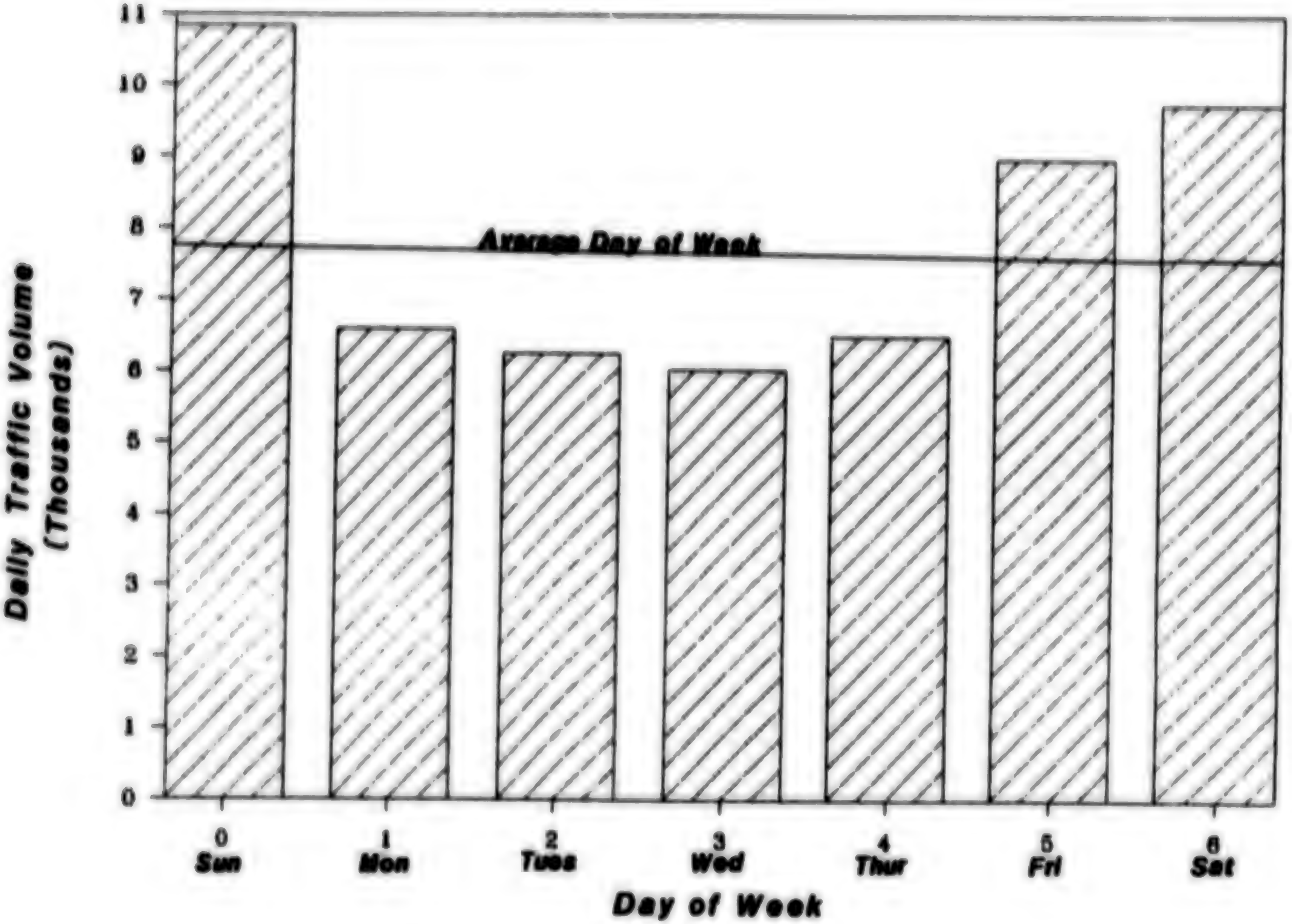

Figure 7

Weekly Traffic Distribution
US 206- Milford Montague Bridge

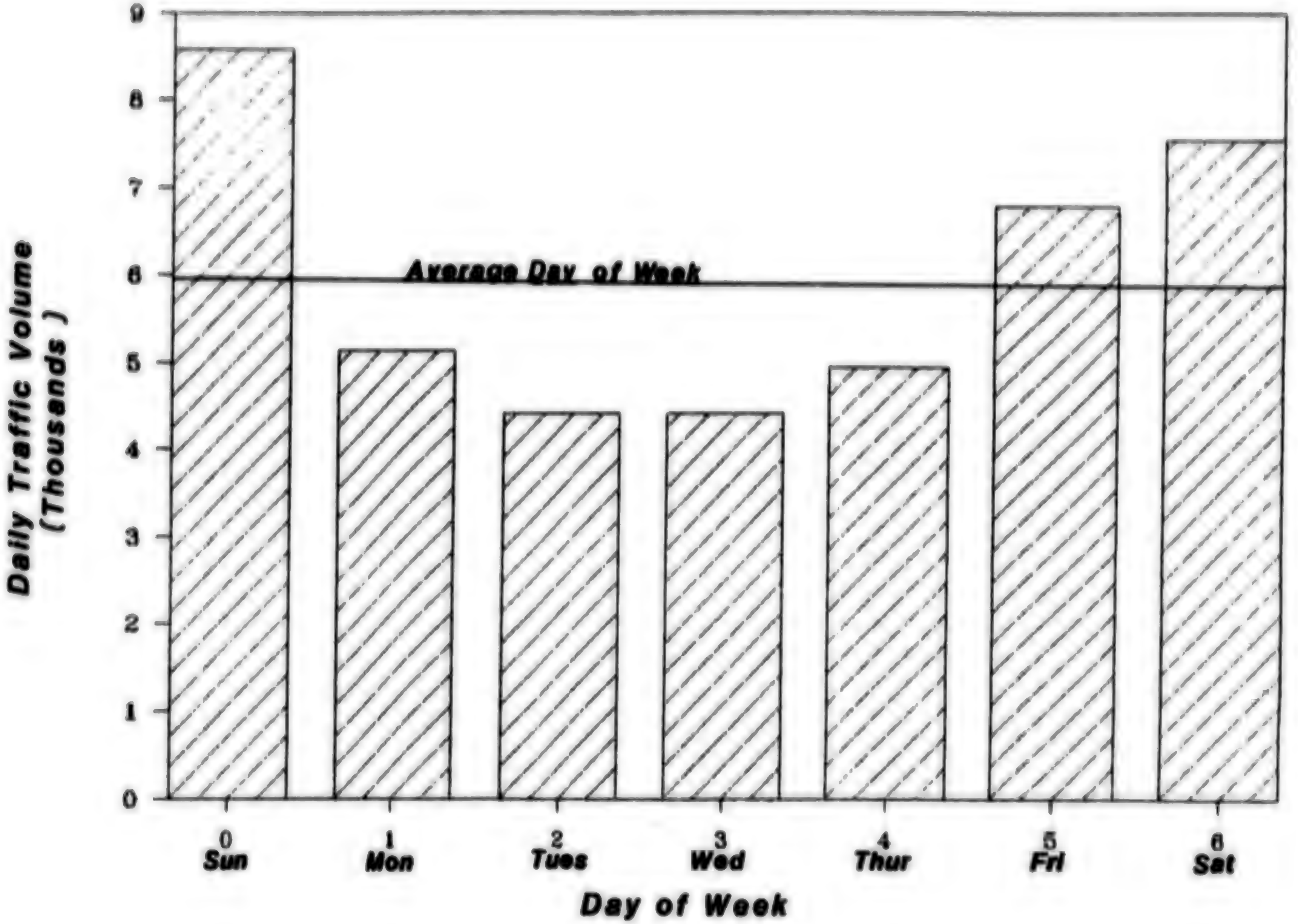

Figure 8

Weekly Traffic Distribution
US 209 - South of Dingman's Ferry

A review of the hourly patterns at these two locations is also of interest. Figure 9 illustrates the hourly patterns of total traffic volumes on US 209 for individual days of the week. Although the volumes are higher for the weekend days, the patterns are very similar for every day. The volumes on this roadway begin to peak around 10:00 AM and begin to drop off significantly after 5:00 PM.

Even more interesting are the hourly patterns of traffic by direction on US 206 at the Milford Montague Bridge. Figures 10 and 11 depict the hourly patterns for the westbound and eastbound directions, respectively, for Thursday, Friday, and Sunday. These illustrations would appear to reflect the effects of commuting traffic from Pennsylvania into New Jersey and of persons from areas to the east spending the weekend in Pennsylvania. The Thursday data on the two graphs are representative of typical commuting patterns: an eastbound peak in the early morning (6:00-8:00 AM) and a westbound peak back into Pennsylvania in the evening (4:00-6:00 PM). However, on Friday there is a significant increase in westbound traffic into Pennsylvania beginning in mid-afternoon and continuing well into the night. In fact, the peak volume on Friday night occurred between 9:00-10:00 PM. Furthermore, this pattern is then reversed on Sunday evening in the eastbound direction. Figure 11 indicates that the eastbound travel begins to build in early afternoon on Sunday and continues into the night, with a peak occurring between the hours of 7:00-8:00 PM.

Also of note are the results of the hourly turning movement counts conducted by the National Park Service at the intersection of Route 209 and Route 739 in Pennsylvania. The critical elements of those data are highlighted in Figures 12 and 13. Figure 12 indicates the morning peak hour and afternoon peak hour patterns at this intersection on a weekday. As graphically depicted, the dominant movement in the morning peak hour is the eastbound movement from Route 739 across the intersection toward Dingman's Ferry Bridge, which comprises nearly one-half of all traffic entering the intersection. In the afternoon, the opposite pattern is the most significant; nearly one-third of all traffic entering the intersection is westbound traffic on Route 739 coming across Dingman's Ferry Bridge and continuing east into Pennsylvania.

Although Figure 13 illustrates the average patterns throughout the day on Sunday, a review of the individual hourly patterns indicates that they do not vary from the average daily patterns by more than one or two percentage points. As shown, the movements through the intersection are very well balanced, without the peaking and directional patterns exhibited on weekdays.

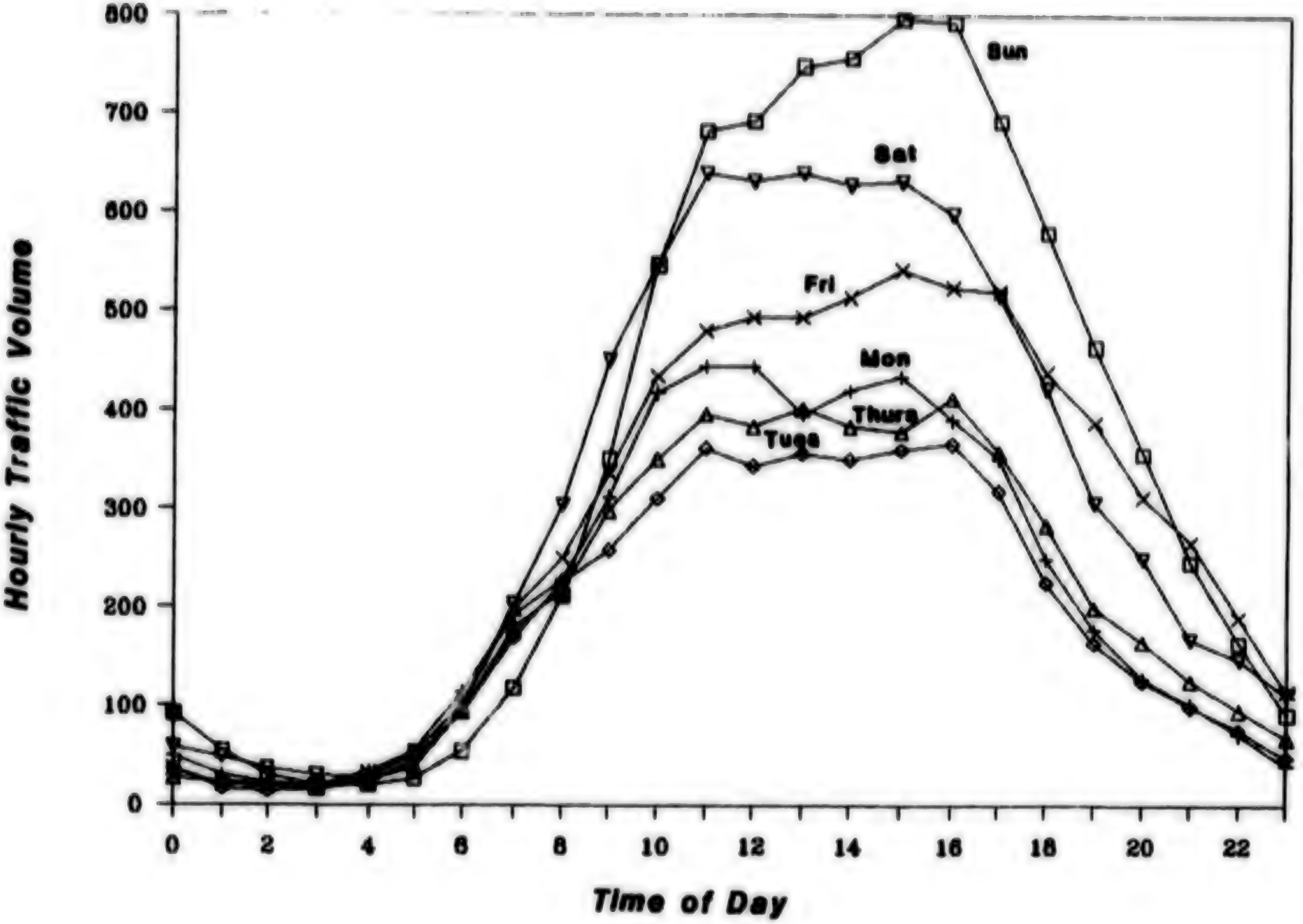

Figure 9

Hourly Traffic Distribution
US 209 - South of Dingman's Ferry

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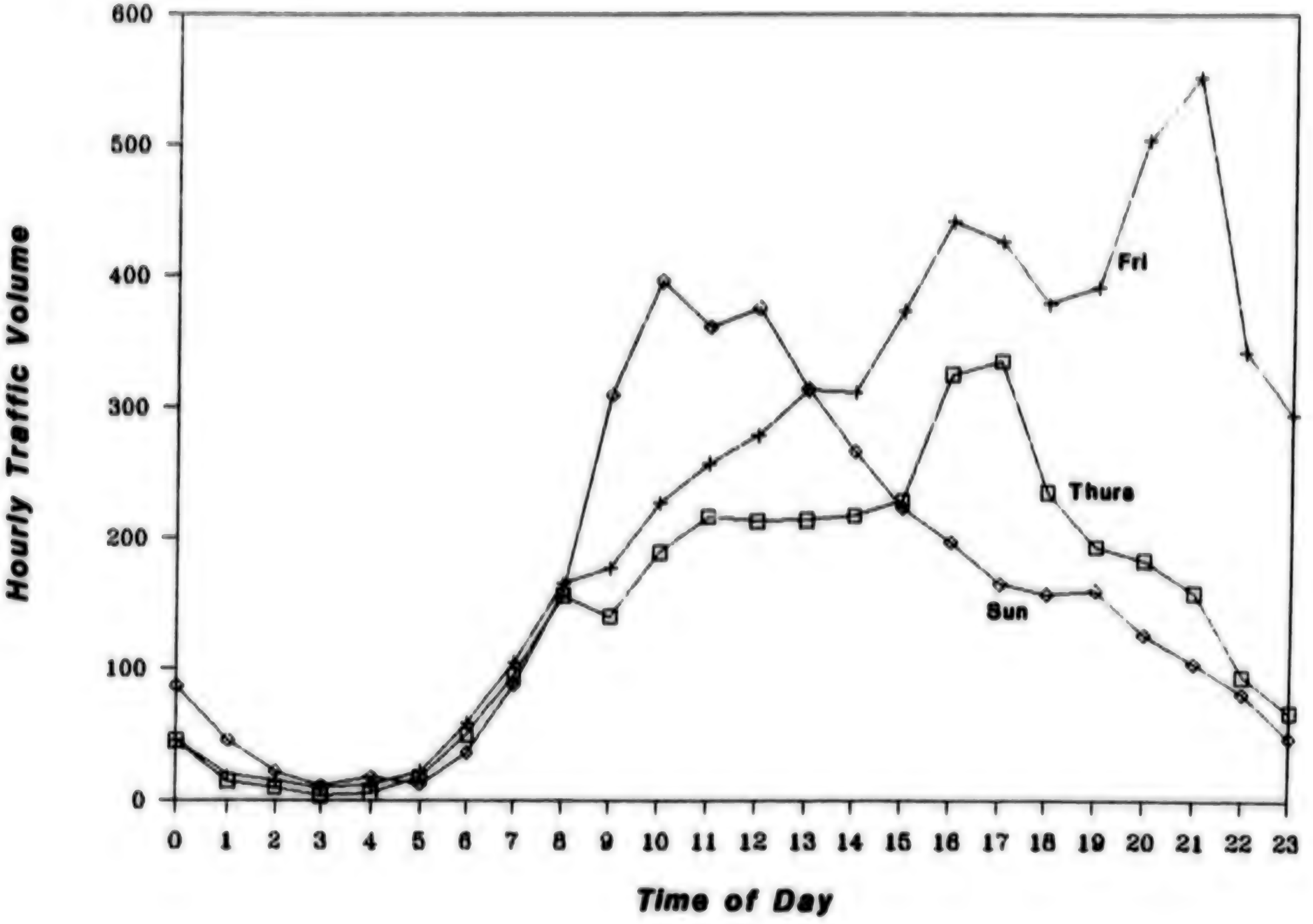

Figure 10

Hourly Traffic Distribution
US 206- Milford Montague Bridge - Westbound

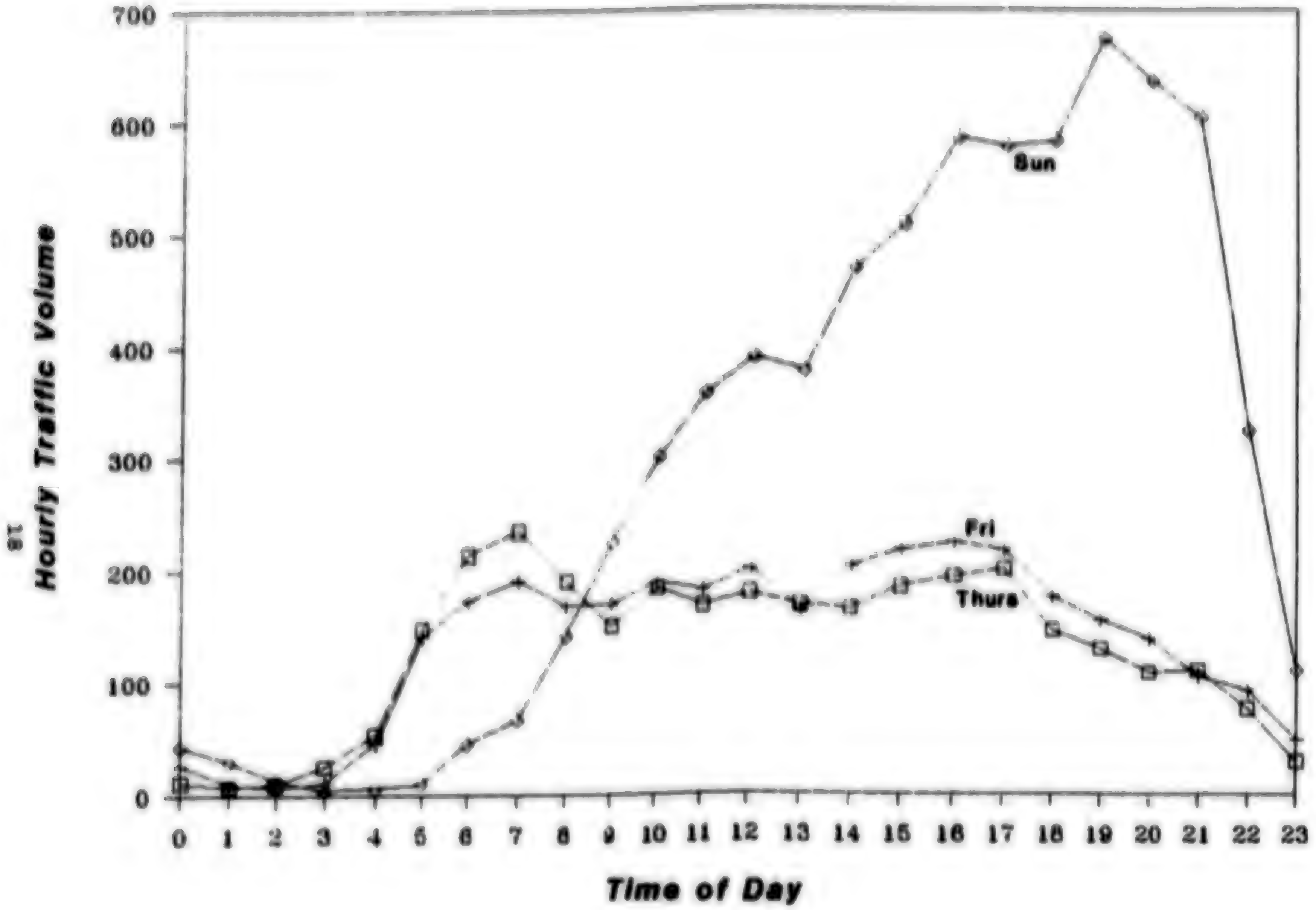

Figure 11

Hourly Traffic Distribution
US 206- Milford Montague Bridge - Eastbound

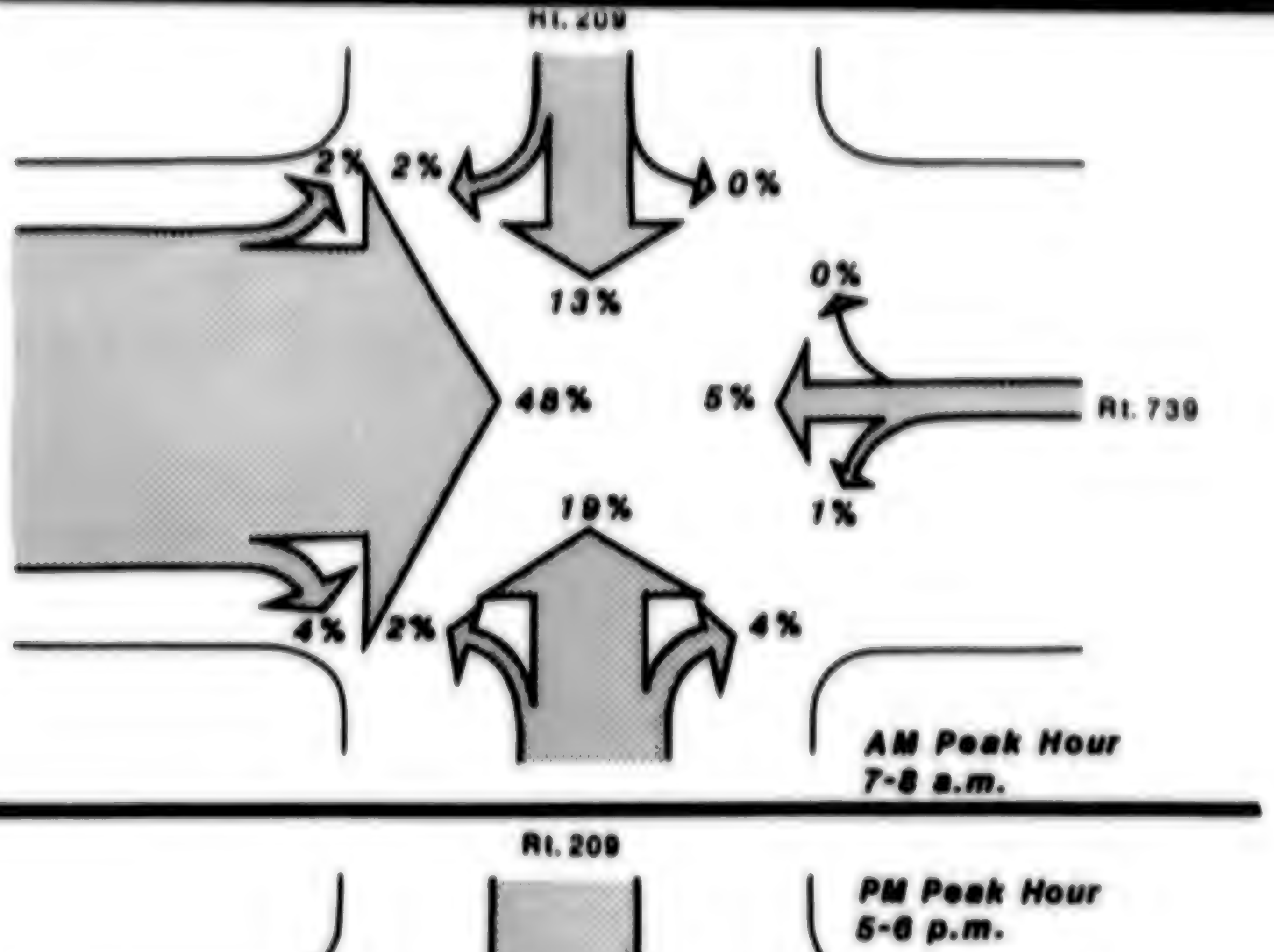

Figure 12
Weekday Peak Hour Traffic Patterns
at Intersection of Rt. 209 /Rt. 739

Source: Counts by NPS Wednesday 7/13/88

Note: Percentages shown are movement as percent of total vehicles entering the intersection.

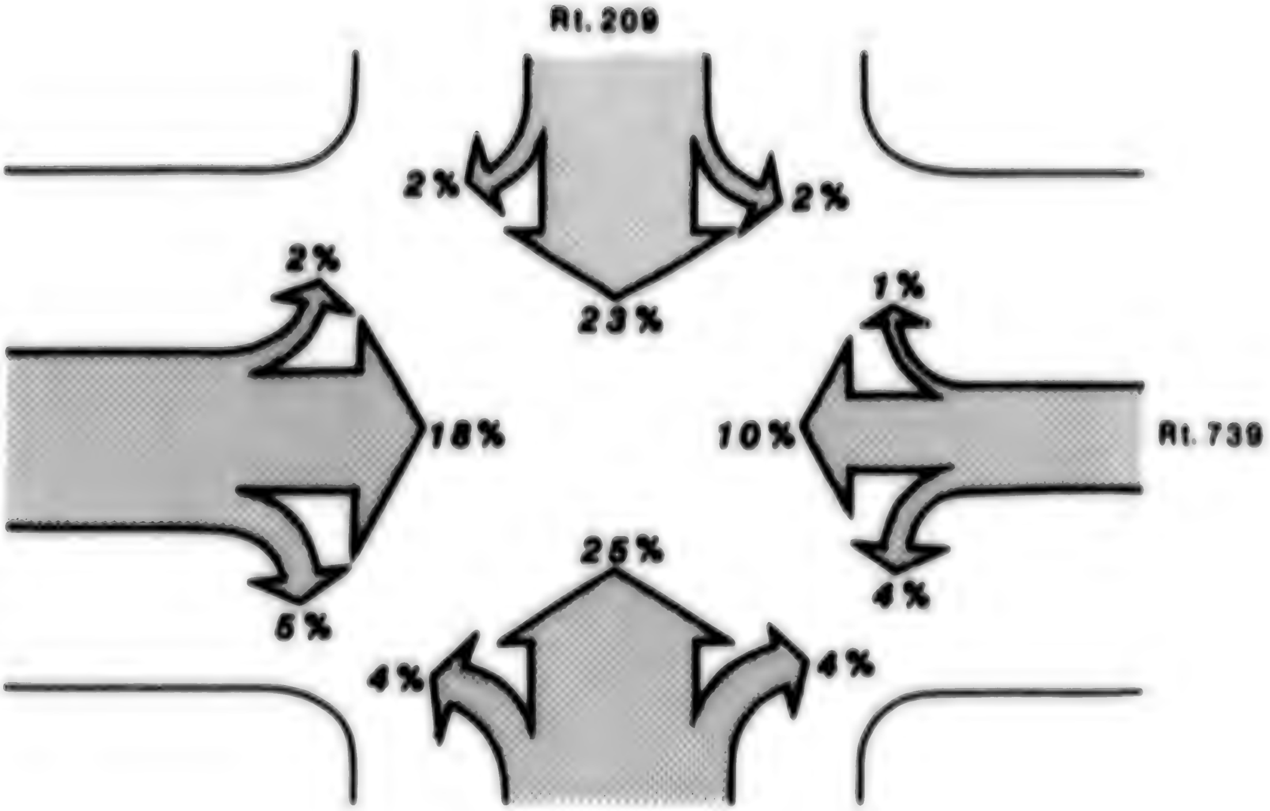

Figure 13
Typical Sunday Traffic Patterns at Intersection of Rt. 209/Rt. 739

Source: Counts by NPS Sunday 7/10/88

Note: Percentages shown are movement as percent of total vehicles entering the intersection.

III. FUTURE DATA COLLECTION PROGRAM

The traffic data collection efforts which have been undertaken in recent years have provided valuable preliminary insight into the traffic characteristics of the National Recreation Area. In order to build upon these efforts and to expand the understanding of the traffic patterns in the area, it is recommended that these efforts continue and become a regular part of the operational program of the National Recreation Area. In this light, the following observations regarding future traffic data collection efforts are made:

1. The current six ATR locations are adequately dispersed throughout the park at key locations and no additional installations of such equipment should be necessary. However, it is important that the existing ATRs continue to be closely monitored to ensure proper operations and data transmittal to the Denver Service Center. Software being developed at the Denver Service Center will allow the National Park Service to regularly compile and assess seasonal, daily, and hourly traffic characteristics at each of these locations.

2. It is recommended that the permanent counters at the North and South Contact Stations on US 209 be upgraded to include new equipment which will provide reliable data at these locations on a continuous basis. Because of the critical impact of US 209 on the park, constant surveillance of traffic trends on this roadway is important. Although the ATR located at Dingman's Ferry will provide useful data on US 209 traffic, the volumes at either end of the roadway (particularly at the South Contact Station) vary sufficiently that the contact stations are important data points.

3. The National Park Service should continue to encourage the Delaware River Joint Toll Bridge Commission, the New Jersey Department of Transportation, and the Pennsylvania Department of Transportation to collect, compile, and share traffic volume data in the vicinity of the National Recreation Area. A program for regular sharing of information among the National Park Service and all of these other interested agencies should be developed and implemented.

4. The blanket count recording program should be continued on an annual basis utilizing the traffic recording equipment available within the National Recreation Area. It is recommended that next year's counting program focus in the southern portion of the park, where the past program did not cover. Specifically, it would be beneficial to conduct these blanket counts in the Hidden Lake, the Shawnee, the Slateford Farm, and the Route 611 areas. Suggested locations would include:

   - Hidden Lake Drive north of Zion Church Road.
   - Hidden Lake Drive between Michael's Road and Zion Church Road.
   - Michael's Road between Hidden Lake Drive and Mosier's Knob Road.
   - Mosier's Knob Road north of Michael's Road.
   - Mosier's Knob Road south of Michael's Road.
   - River Road in vicinity of Hialeah Picnic Area.
   - Route 611 at Point of Gap Overlook.
   - National Park Drive between Route 611 and Slateford Farm Road.
   - National Park Drive between Slateford Farm and Tott's Gap Road.
   - Slateford Farm Road between National Park Drive and parking area.

   A program should be established whereby each of these and previously counted locations are counted once every three years or when a major change has occurred which could be expected to result in significant modifications in traffic patterns. A program of counting each location once every three years should be frequent enough to maintain a relatively up-to-date data base on traffic conditions, but should also be infrequent enough to allow efficient use of available equipment and manpower. These counts should include a minimum of seven continuous days of data collection.

5. Future counting programs should include an expansion of the intersection turning movement count program in order to better understand specific travel patterns. These counts should be conducted for weekdays and weekends at key intersections throughout the park. Such data at the following intersections would be very useful:

   - US 209/US 206
   - US 206/Route 521
   - US 209/Pennsylvania 51001
   - Route 739/Route 560/Old Mine Road
   - Pennsylvania River Road/Hidden Lake Drive in Shawnee

6. The visitor-use survey planned to be conducted by the National Park Service in the National Recreation Area should include questions directed at the origins and destinations of the visitors, their routes of travel, and other travel characteristics.

Appendix

Traffic Volume Data

INTRODUCTION

This appendix provides summaries of traffic count data collected as part of the National Park Service Traffic Count Program, including data from both the Automatic Traffic Recorders (ATR's) and the short period blanket counts conducted throughout the recreation area. The following is a brief description of the primary data sheets included in this appendix.

Annual Traffic Count Report

This report summarizes both the ATR and the blanket count data. The seasonal average daily traffic (SADT) and the annual average daily traffic (AADT) are reported for each ATR sub-location. The blanket counts are reported showing each blanket station's count date, 24-hour volume, factors used to adjust the 24-hour volume to SADT and to AADT, the resulting SADT and AADT, and the ATR sub-location used as the source of the adjustment factors.

Automated Traffic Recorder (ATR) Summary

Traffic count data for an entire year is summarized by month for each ATR sub-location. The summary documents the monthly Average Daily Traffic (ADT), the Average Weekday Traffic (AWD), and the Average Weekend Day Traffic (AWE).

A summary of annual average daily traffic, the annual average weekday traffic, the annual average weekend traffic, and seasonal average daily traffic is provided after the monthly summary of data.

Seasonal Average Daily Traffic (SADT) is defined as the average of the monthly ADT's that sum to approximately 80 percent of the total annual traffic. To document the months used in this computation, the monthly ADT's are listed in descending order of magnitude along with the cumulative percentage of the total of all months.

In the upper portion of each table are a variety of traffic factors which can be used to expand a specific piece of data (such as a blanket count) into a broader traffic measure such as AADT or SADT. The following equations define these factors:

$$\text{Average Daily Traffic Factor} = \frac{\text{AADT}}{\text{Average Day of Month}}$$

$$\text{Average Weekday Traffic Factor} = \frac{\text{AADT}}{\text{Average Weekday of Month}}$$

$$\text{Seasonal Traffic Factor} = \frac{\text{SADT}}{\text{Average Weekday of Month}}$$

As noted in the report, a number of the ATR stations have not been in place long enough to provide a full year of data. In these cases, traffic volumes were estimated on the basis of patterns experienced at other similar ATR locations. For example, at ATR 4501 (the intersection of US 209 and PA 739) only the south leg had been counted for a full year; the patterns on this leg were used to estimate much of the data on the other legs of this intersection. Any data which are estimated data are noted with a "99" in the year column of these tables.

Bar Graph for ATR Stations

A bar graph that plots the ADT and AWD for each month is included for each ATR sub-location. Also plotted on the graph are the AADT and the SADT.

ATR Diagrams

Because a number of the ATR locations are set up to count multiple legs of an intersection, these ATR's have been further defined into sub-locations. A diagram of each ATR is provided to identify the location of the ATR loops and how these loops are grouped into sub-locations.

National Park Service Traffic Count Program

Delaware Water Gap NRA

ANNUAL TRAFFIC COUNT REPORT

STATION ID	STATION LOCATION	ROUTE NUMBER	BEGINNING DATE	24 HOUR VOLUME	SEASONAL FACTOR	ANNUAL FACTOR	SEASONAL ADT	ANNUAL ADT	REFERENCE COUNT STATION
45011	US 209 AT DINGMANS FERRY - NORTH LEG						4684	4004	
45012	US 209 AT DINGMAN'S FERRY - EAST LEG						2763	2362	
45013	US 209 AT DINGMAN'S FERRY - SOUTH LEG						4676	3997	
45014	US 209 AT DINGMAN'S FERRY - WEST LEG						3699	3162	
45021	PA. RIVER ROAD AT SMITHFIELD BEACH						1120	768	
45022	SMITHFIELD BEACH						506	301	
45030	OLD MINE RD AT NEW JERSEY RANGER STATION						570	481	
45041	DINGMANS RD N. OF KHUN'S RD						206	167	
45042	RT 615 N. OF KHUN'S RD						498	406	
45043	RT 615 S. OF KHUN'S RD						477	392	
45044	KHUN'S RD N. OF DINGMANS RD						246	204	
45051	OLD MINE RD WEST OF FLATBROOK RD						260	213	
45052	MILLBROOK-FLATBROOK RD NORTH OF OLD MINE						243	211	
45053	BLAIRSTOWN-MILLBROOK RD EAST OF FLATBROOK						240	197	
45061	OLD MINE RD N OF WORTHINGTON CAMPGROUND E						160	130	
45062	OLD MINE RD S OF WORTHINGTON CAMPGROUND E						13	10	
45063	WORTHINGTON CAMPGROUND ENTRANCE N OF OLD						133	108	
4511	OMR POXONO AREA		08/12/88	210	1.20	0.58	252	122	45051
4512	OMR RIVERS BD. C.G.		08/12/88	250	1.27	0.58	318	145	45052
4513	FIDDLERS ELBOW RD.		08/12/88	100	1.27	0.58	127	58	45052
4514	RT. 615, MYERS ROAD		07/01/88	190	1.25	0.57	238	108	45052
4515	OMR, PETERS CANOE CAMP		08/12/88	80	1.72	0.71	138	57	45030
4516	MT. RD. SOUTH, NJ		07/29/88	50	1.52	0.73	76	36	45030
4517	RT. 615 CHADO FARM		07/29/88	230	1.52	0.73	350	168	45030
4518	TILLMAN'S RAVINE		07/12/88	60	1.52	0.73	91	44	45030
4519	RT. 615 ROY BRIDGE		06/17/88	430	1.94	1.03	834	443	45030
4520	THUNDER MOUNTAIN SCHOOL		07/29/88	30	0.98	0.47	29	14	45044
4521	OMR EXTENSION		07/29/88	20	0.98	0.47	20	9	45044
4522	OMR SO. OF DINGMAN'S BRIDGE		07/29/88	240	1.01	0.43	242	103	45041
4523	521 SPUR, EAST OF OMR		08/05/88	4840	0.99	0.68	4792	3291	45012
4524	40 ACRES - AROUND BEND		08/05/88	40	1.05	0.60	42	24	45041
4525	OMR NO. OF DINGMAN'S - CEMETARY		08/05/88	90	1.05	0.60	94	54	45041
4526	CAMP KITTATINY		08/05/88	15	1.05	0.60	16	9	45041
4527	521 SPUR, RIDGE ROAD		07/13/88	3680	0.98	0.66	3606	2429	45012
4528	JAGGER ROAD		08/05/88	65	1.05	0.60	68	39	45041
4529	OMR MINISINK ISL.		07/11/88	100	1.01	0.43	101	43	45041
4530	MILFORD BEACH, PA		07/29/88	600	1.01	0.43	606	258	45041
4531	RAYMNDSKL. FALLS, PA		08/05/88	130	0.87	0.68	113	88	45011
4532	CONSHGH. CR., PA		08/05/88	20	0.87	0.68	17	14	45011
4533	DINGMAN'S V.C. ENTRANCE, PA		07/15/88	400	0.91	0.66	364	264	45013
4534	WILSON HILL RD., PA		07/15/88	190	0.91	0.66	173	125	45013
4535	CHESTNUT RIDGE RD., PA		07/15/88	20	0.91	0.66	18	13	45013
4536	BRISCO MT. RD., PEEC, PA		07/15/88	770	0.91	0.66	701	508	45013
4537	RT. 209, SO. OF PEEC, PA		07/15/88	7230	0.91	0.66	6579	4772	45013
4538	ESHBACK BOAT RAMP, PA		07/15/88	50	0.91	0.66	46	33	45013
4539	EGYPT MILLS RD., PA		07/15/88	25	0.91	0.66	23	16	45013
4540	OMR NO. OF RT. 206		07/11/88	1140	1.01	0.43	1151	490	45041
4541	BRODHEAD RD., PA		07/22/88	570	0.91	0.66	519	376	45013
4542	RT. 2001, PA		07/22/88	5260	0.91	0.66	4787	3472	45013
4543	FREEMAN TR. RD., PA		07/22/88	30	0.94	0.43	28	13	45021
4544	RIVER ROAD, PARK HQ		07/22/88	340	0.94	0.43	320	146	45021
4545	RIVER ROAD, POXONO ISL., PA		07/22/88	660	0.94	0.43	620	284	45021
4546	ZION CHURCH ROAD, PA		07/22/88	40	0.94	0.43	38	17	45021
4550	DEPEW REC. AREA		08/12/88	80	1.20	0.58	96	46	45051
4551	WATERGATE REC. AREA		08/05/88	65	1.20	0.58	78	38	45051
4555	JOHNNY B ROAD - WEST		07/01/88	540	0.98	0.66	529	356	45012
4560	MILLBROOK		09/08/88	0	1.94	1.15	0	0	45030
4561	SKYLINE DRIVE		07/22/88	25	1.52	0.73	38	18	45030

National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45011

US 209 AT DINGMANS FERRY - NORTH LEG

Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	99	2370	2099	2773	1.69	1.91	2.23
2	99	2520	2410	2751	1.59	1.66	1.94
3	99	2841	2701	3177	1.41	1.48	1.73
4	99	3675	3420	4111	1.09	1.17	1.37
5	99	4354	3963	5216	0.92	1.01	1.18
6	99	4885	4418	5923	0.82	0.91	1.06
7	99	6070	5437	6989	0.66	0.74	0.86
8	99	5891	5368	6989	0.68	0.75	0.87
9	88	4713	4464	5460	0.85	0.90	1.05
10	99	4402	4039	5139	0.91	0.99	1.16
11	99	3484	3213	3926	1.15	1.25	1.46
12	99	2841	2808	2987	1.41	1.43	1.67

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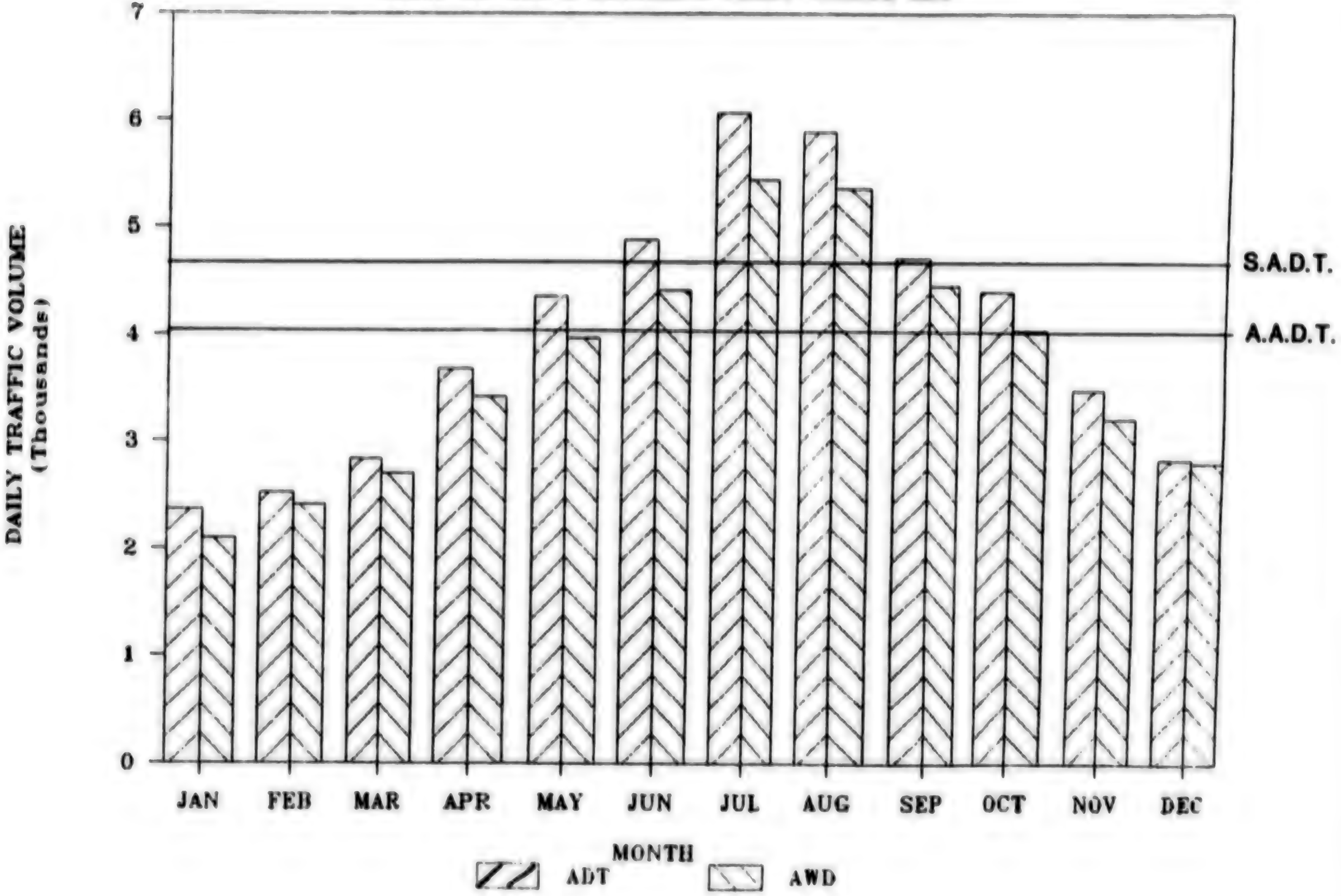
Annual Average Daily Traffic = 4004
Annual Average Weekday Traffic = 3695
Annual Average Weekend Traffic = 4620
Seasonal Average Daily Traffic = 4684

****

Month	Average Daily Traffic	Cumulative Percentage
7	6070	13
8	5891	25
6	4885	35
9	4713	45
10	4402	54
5	4354	63
4	3675	71
11	3484	78
3	2841	84
12	2841	90
2	2520	95
1	2370	100

DELAWARE WATER GAP NRA

45011 US 209 @ DINGMANS FERRY-NORTH LEG



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National Park Service Traffic Count Program

Delaware Water Gap NRA

Station:  45012

US 209 AT DINGMAN'S FERRY - EAST LEG


Month   Year  Average   Average     Average  Average   Average
                  Day   Weekday     Weekend    Daily   Weekday  Seasonal
               of the    of the  Day of the  Traffic   Traffic   Traffic
                Month     Month       Month   Factor    Factor    Factor


    1     99     1398      1089        2122     1.69      2.17      2.54
    2     99     1486      1250        2105     1.59      1.89      2.21
    3     99     1676      1401        2430     1.41      1.69      1.97
    4     99     2168      1774        3145     1.09      1.33      1.56
    5     99     2568      2056        3990     0.92      1.15      1.34
    6     99     2882      2292        4531     0.82      1.03      1.21
    7     99     3580      2821        5347     0.66      0.84      0.98
    8     99     3475      2785        5347     0.68      0.85      0.99
    9     88     2780      2316        4177     0.85      1.02      1.19
   10     99     2597      2095        3931     0.91      1.13      1.32
   11     99     2055      1667        3004     1.15      1.42      1.66
   12     99     1676      1457        2285     1.41      1.62      1.90

*****************************************************************
 Annual Average Daily Traffic   =         2362
 Annual Average Weekday Traffic =         1917
 Annual Average Weekend Traffic =         3534
 Seasonal Average Daily Traffic =         2763
*****************************************************************


      Average
        Daily Cumulative
Month Traffic Percentage


    7    3580          13
    8    3475          25
    6    2882          35
    9    2780          45
   10    2597          54
    5    2568          63
    4    2168          71
   11    2055          78
    3    1676          84
   12    1676          90
    2    1486          95
    1    1398         100
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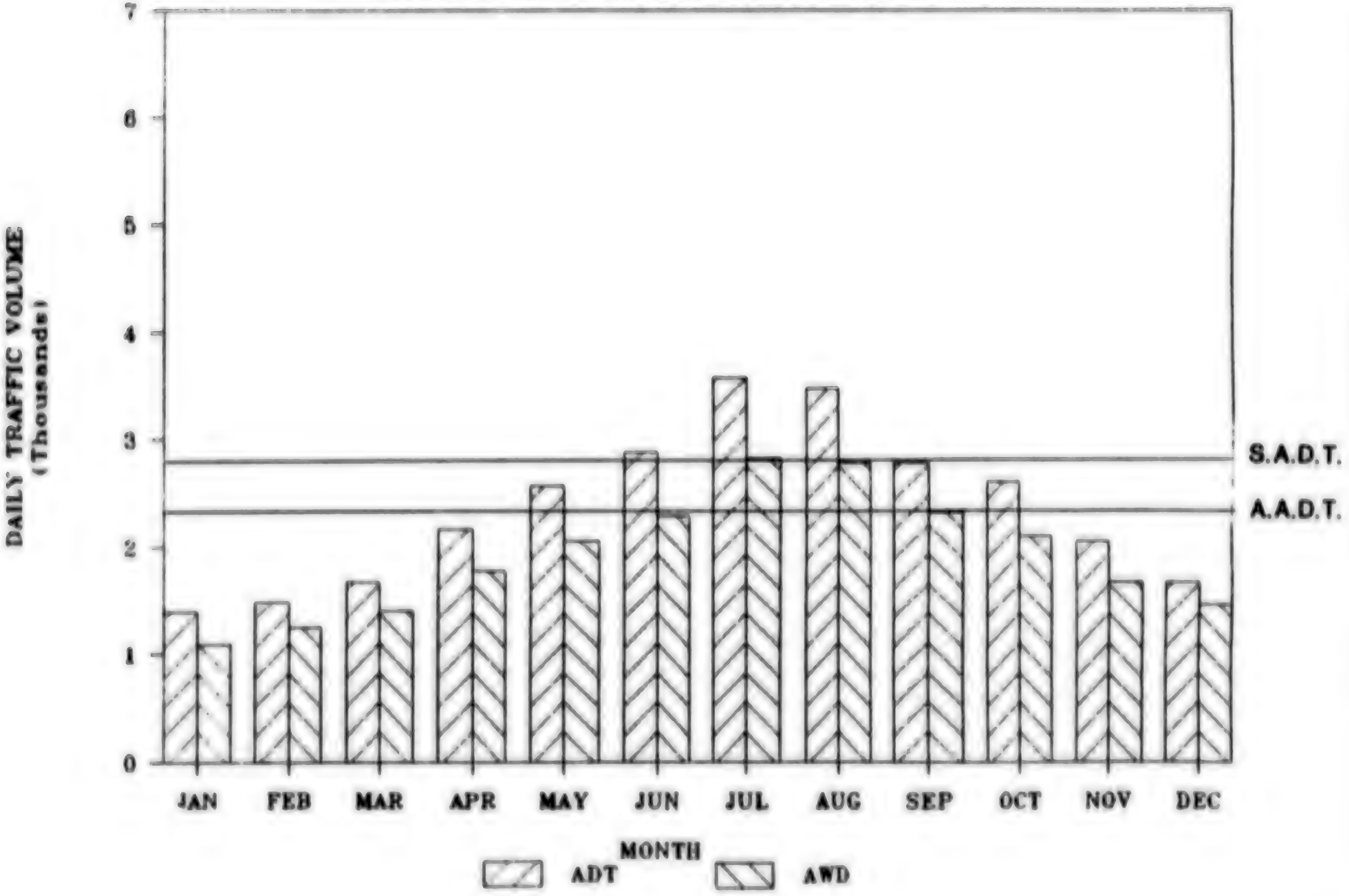
DELAWARE WATER GAP NRA

45012 US 209 @ DINGMANS FERRY-EAST LEG



National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45013

US 209 AT DINGMAN'S FERRY - SOUTH LEG

Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	88	2362	1975	3173	1.69	2.02	2.37
2	88	2516	2277	3146	1.59	1.76	2.05
3	88	2832	2549	3643	1.41	1.57	1.83
4	88	3681	3234	4724	1.09	1.24	1.45
5	88	4366	3730	5922	0.92	1.07	1.25
6	88	4875	4181	6783	0.82	0.96	1.12
7	88	6043	5139	7943	0.66	0.78	0.91
8	88	5841	5068	8064	0.68	0.79	0.92
9	88	4725	4223	6234	0.85	0.95	1.11
10	87	4410	3810	5875	0.91	1.05	1.23
11	87	3471	3024	4515	1.15	1.32	1.55
12	87	2842	2644	3412	1.41	1.51	1.77

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*******************************************************************
 Annual Average Daily Traffic    =        3997
 Annual Average Weekday Traffic =        3488
 Annual Average Weekend Traffic =        5286
 Seasonal Average Daily Traffic =        4676
*******************************************************************
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Month	Average Daily Traffic	Cumulative Percentage
7	6043	13
8	5841	25
6	4875	35
9	4725	45
10	4410	54
5	4366	63
4	3681	71
11	3471	78
12	2842	84
3	2832	90
2	2516	95
1	2362	100

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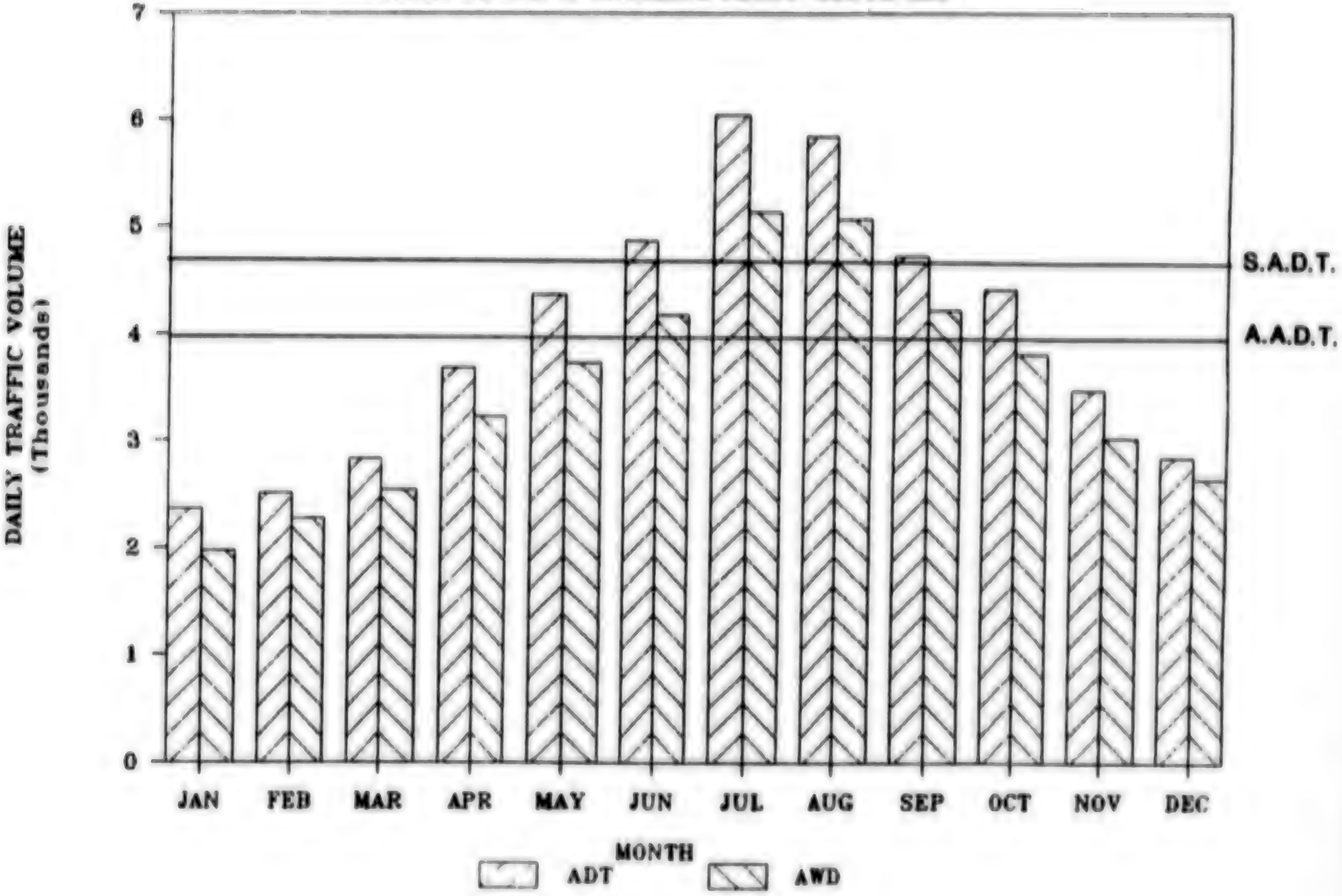
DELAWARE WATER GAP NRA

45013 US 209 @ DINGMANS FERRY-SOUTH LEG



National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45014

US 209 AT DINGMAN'S FERRY - WEST LEG

Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	99	1872	1597	2389	1.69	1.98	2.32
2	99	1990	1833	2370	1.59	1.73	2.02
3	99	2244	2054	2736	1.41	1.54	1.80
4	99	2902	2601	3541	1.09	1.22	1.42
5	99	3439	3014	4492	0.92	1.05	1.23
6	99	3858	3360	5102	0.82	0.94	1.10
7	99	4793	4135	6020	0.66	0.76	0.89
8	99	4653	4083	6020	0.68	0.77	0.91
9	88	3722	3395	4703	0.85	0.93	1.09
10	99	3477	3072	4426	0.91	1.03	1.20
11	99	2751	2443	3382	1.15	1.29	1.51
12	99	2244	2136	2573	1.41	1.48	1.73

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****************************************************************
 Annual Average Daily Traffic    =        3162
 Annual Average Weekday Traffic =        2810
 Annual Average Weekend Traffic =        3980
 Seasonal Average Daily Traffic =        3699
****************************************************************
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Month	Average Daily Traffic	Cumulative Percentage
7	4793	13
8	4653	25
6	3858	35
9	3722	45
10	3477	54
5	3439	63
4	2902	71
11	2751	78
3	2244	84
12	2244	90
2	1990	95
1	1872	100

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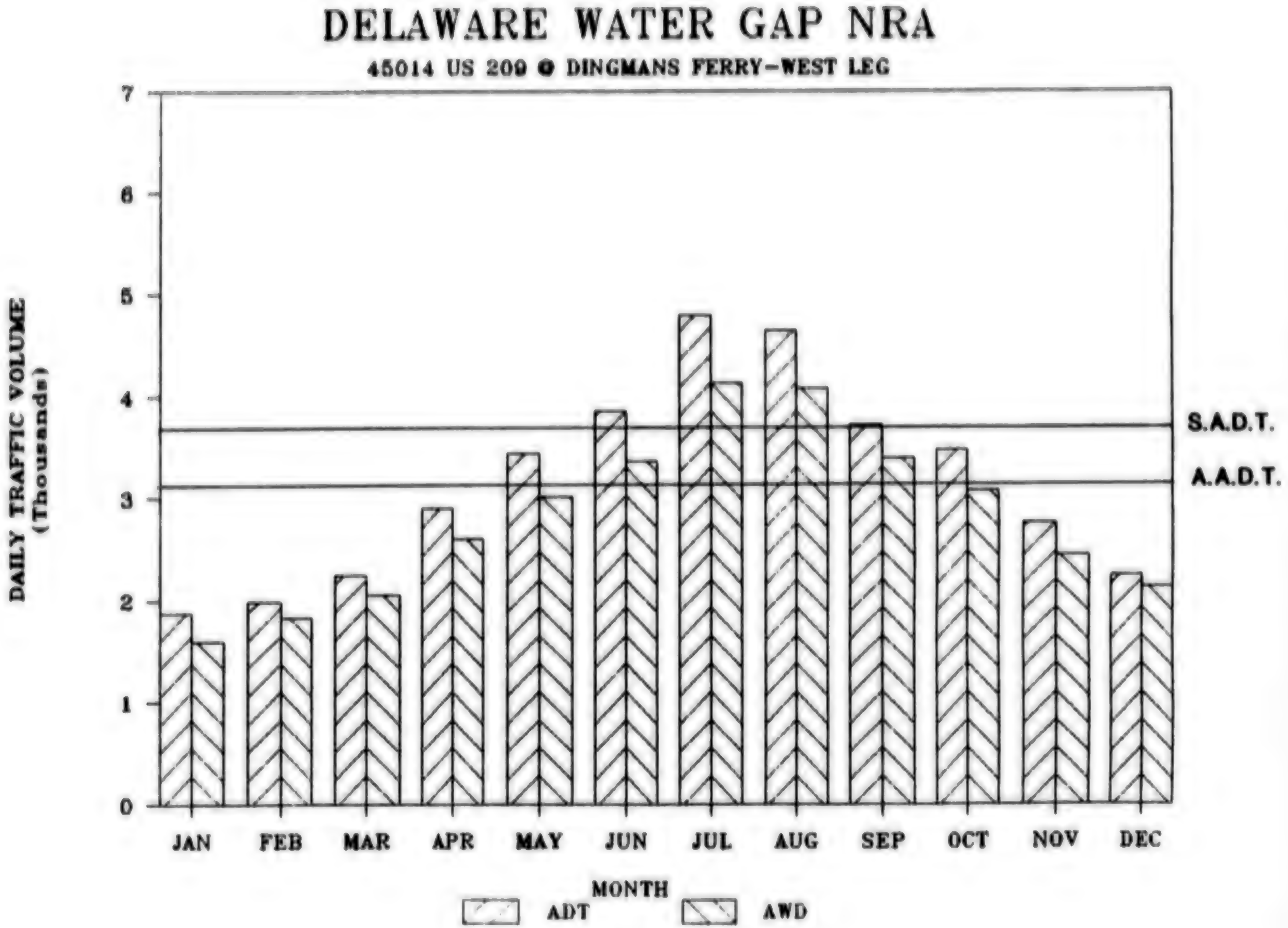
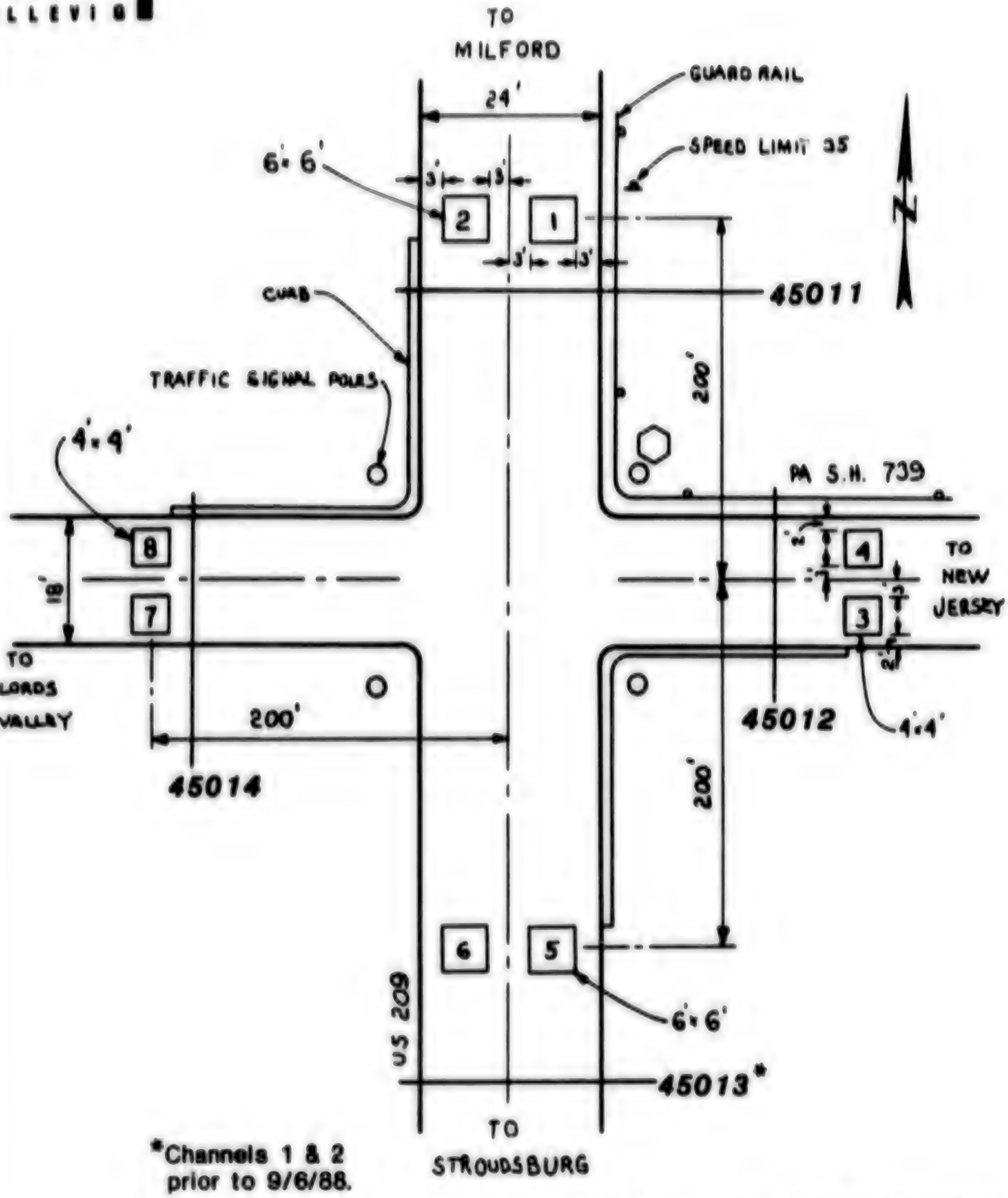

DELAWARE WATER GAP NRA
45014 US 209 @ DINGMANS FERRY-WEST LEG
DAILY TRAFFIC VOLUME
(Thousands)
0
1
2
3
4
5
6
7
S.A.D.T.
A.A.D.T.
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
MONTH
ADT
AWD



*Channels 1 & 2
prior to 9/6/88.

Delaware Water Gap N.R.A.

Station 4501

Dingman's Ferry

National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45021

PA. RIVER ROAD AT SMITHFIELD BEACH

Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	88	237	160	396	3.24	4.80	7.00
2	88	225	178	351	3.41	4.32	6.29
3	88	290	236	446	2.65	3.25	4.75
4	88	495	407	700	1.55	1.89	2.75
5	88	867	595	1534	0.89	1.29	1.88
6	88	1273	908	2369	0.60	0.85	1.23
7	88	1770	1196	2978	0.43	0.64	0.94
8	88	1614	1112	3057	0.48	0.69	1.01
9	88	1257	1193	1434	0.61	0.64	0.94
10	87	565	427	901	1.36	1.80	2.62
11	87	351	297	478	2.19	2.59	3.77
12	87	274	242	366	2.80	3.17	4.63

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Annual Average Daily Traffic = 768
Annual Average Weekday Traffic = 579
Annual Average Weekend Traffic = 1251
Seasonal Average Daily Traffic = 1120

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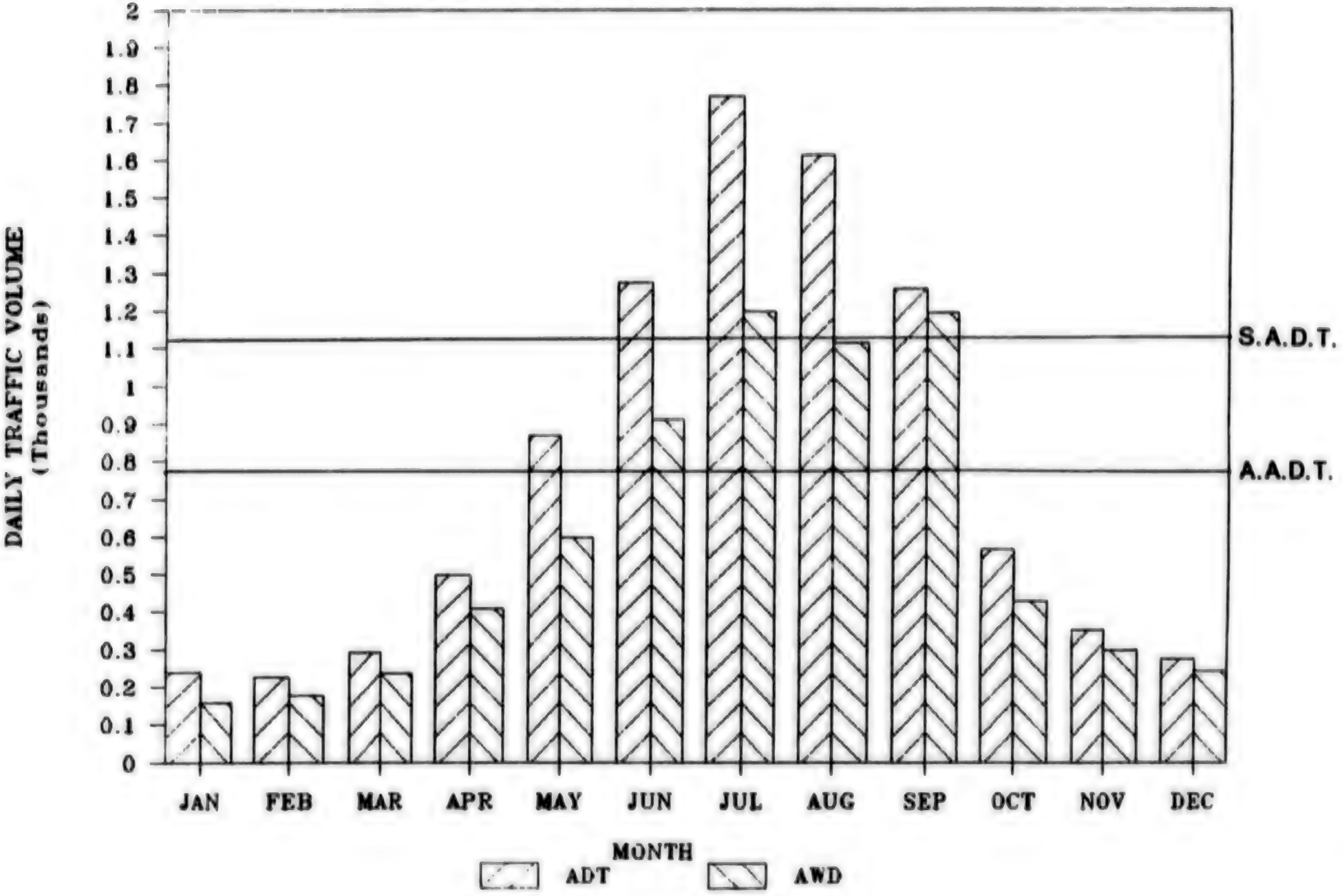
Month	Average Daily Traffic	Cumulative Percentage
7	1770	19
8	1614	37
6	1273	51
9	1257	64
5	867	74
10	565	80
4	495	85
11	351	89
3	290	92
12	274	95
1	237	98
2	225	100

DELAWARE WATER GAP NRA

45021 PA. RIVER ROAD @ SMITHFIELD BEACH



National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45022

SMITHFIELD BEACH

Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	88	60	34	114	5.01	8.84	14.87
2	88	73	48	140	4.12	6.26	10.53
3	88	116	86	201	2.59	3.50	5.88
4	88	239	188	359	1.26	1.60	2.69
5	88	555	350	1057	0.54	0.86	1.44
6	88	589	397	1165	0.51	0.76	1.27
7	88	737	472	1294	0.41	0.64	1.07
8	88	648	435	1260	0.46	0.69	1.16
9	88	265	221	385	1.13	1.36	2.29
10	87	208	153	344	1.45	1.96	3.30
11	87	73	57	110	4.12	5.27	8.87
12	87	44	36	65	6.83	8.35	14.04

* * *

Annual Average Daily Traffic = 301
Annual Average Weekday Traffic = 206
Annual Average Weekend Traffic = 541
Seasonal Average Daily Traffic = 506

* * *

Month	Average Daily Traffic	Cumulative Percentage
7	737	20
8	648	38
6	589	54
5	555	69
9	265	76
4	239	83
10	208	89
3	116	92
2	73	94
11	73	96
1	60	98
12	44	99

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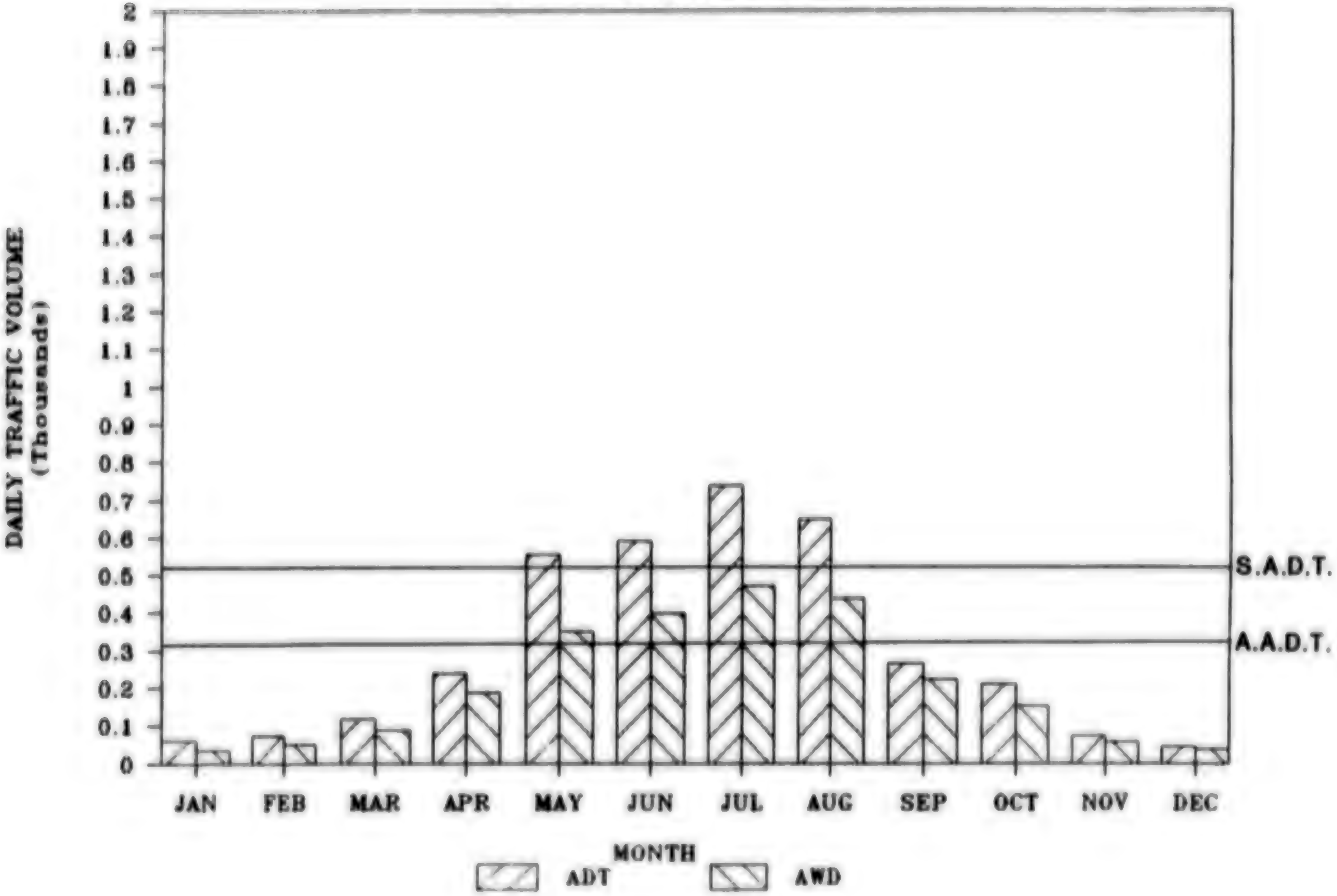
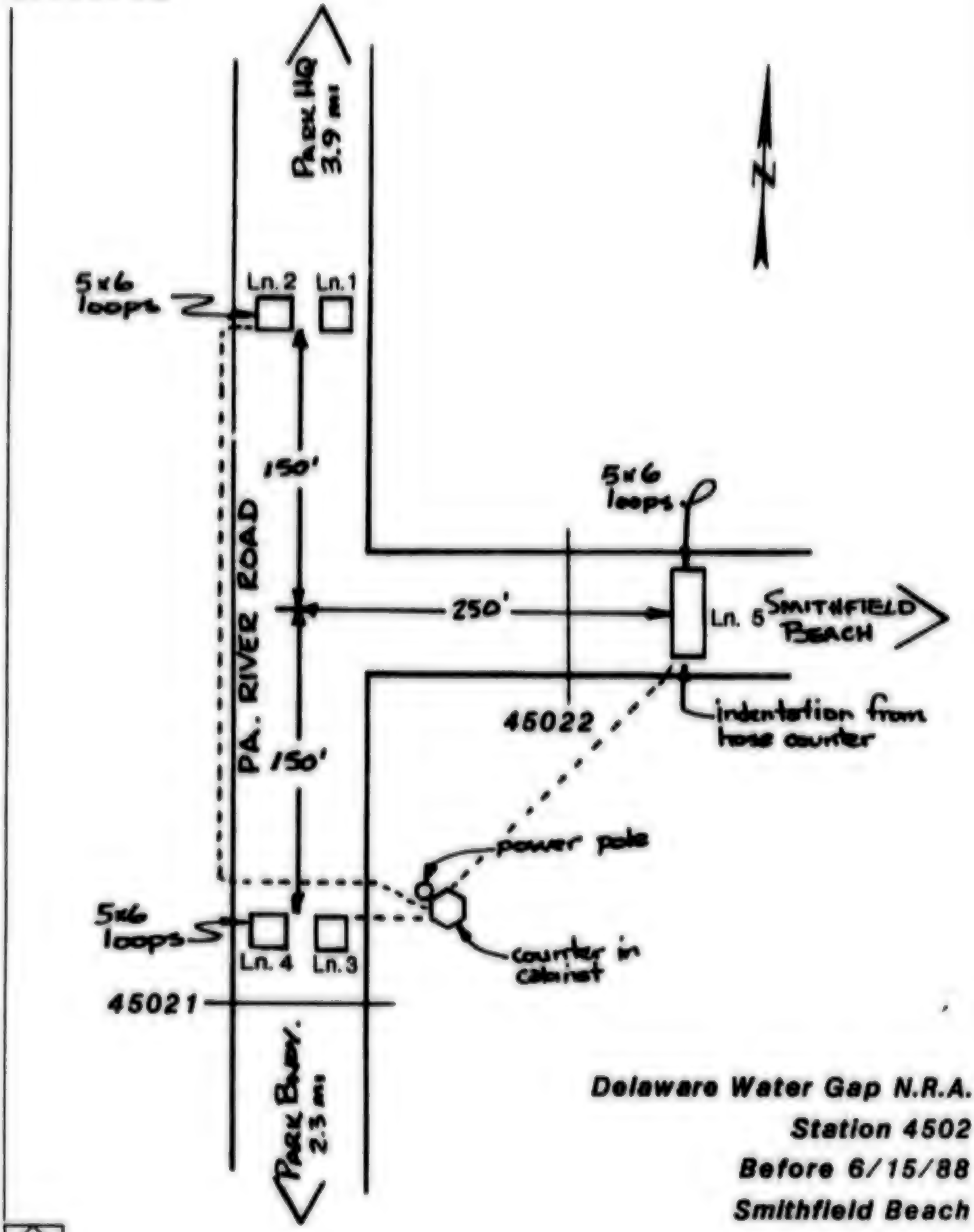
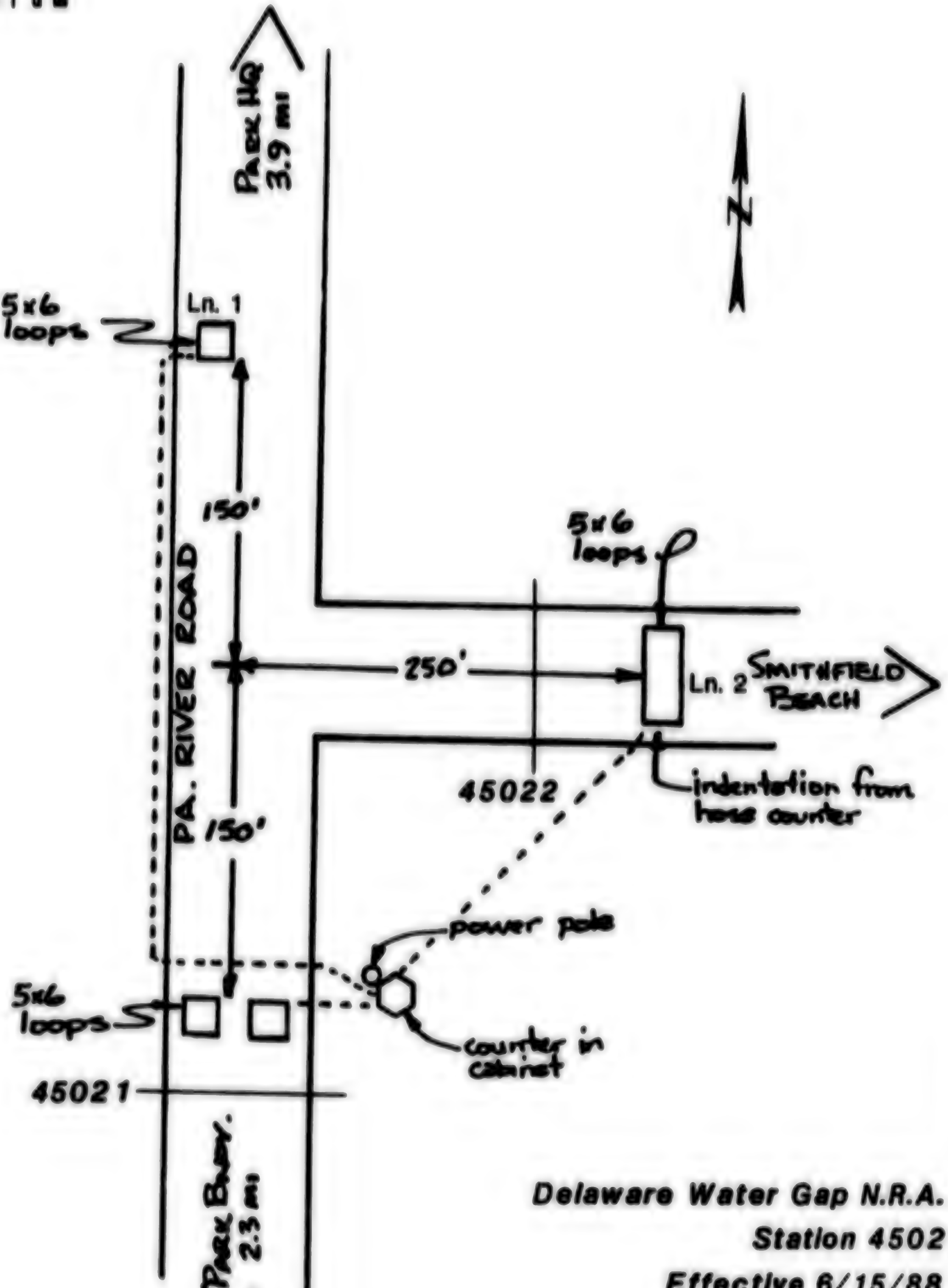
DELAWARE WATER GAP NRA

45022 SMITHFIELD BEACH





Delaware Water Gap N.R.A.
Station 4502
Before 6/15/88
Smithfield Beach



Delaware Water Gap N.R.A.
Station 4502
Effective 6/15/88
Smithfield Beach

National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45030

OLD MINE RD AT NEW JERSEY RANGER STATION

Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	88	267	168	474	1.80	2.86	3.39
2	88	268	173	515	1.80	2.78	3.29
3	88	312	210	604	1.54	2.29	2.71
4	88	582	345	1132	0.83	1.39	1.65
5	88	632	395	1209	0.76	1.22	1.44
6	88	468	293	952	1.03	1.64	1.94
7	88	660	375	1257	0.73	1.28	1.52
8	88	677	331	1675	0.71	1.45	1.72
9	88	419	294	764	1.15	1.64	1.94
10	87	686	399	1390	0.70	1.21	1.43
11	87	432	303	735	1.11	1.59	1.88
12	87	370	303	561	1.30	1.59	1.88

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Annual Average Daily Traffic = 481
Annual Average Weekday Traffic = 299
Annual Average Weekend Traffic = 939
Seasonal Average Daily Traffic = 569

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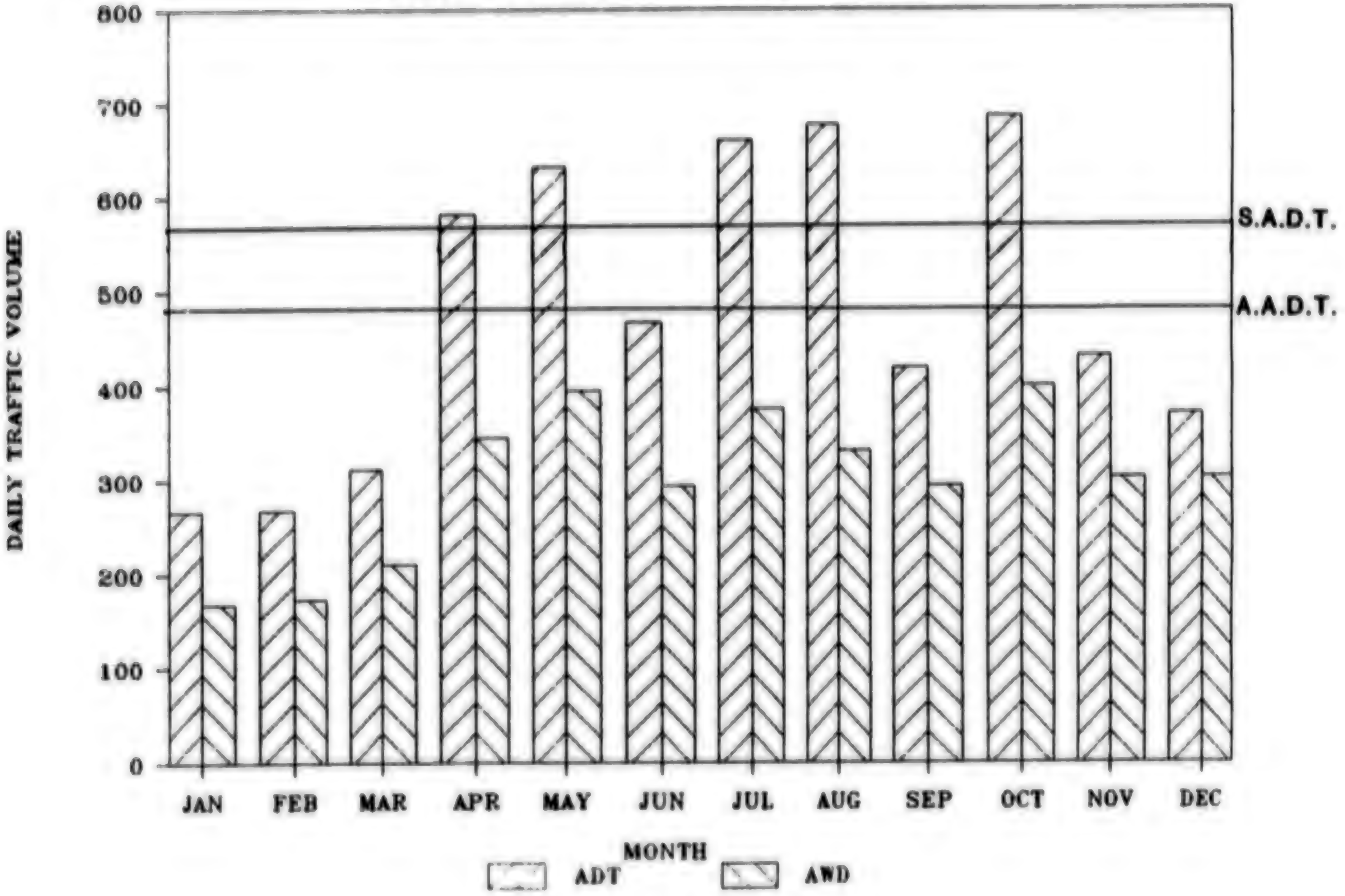
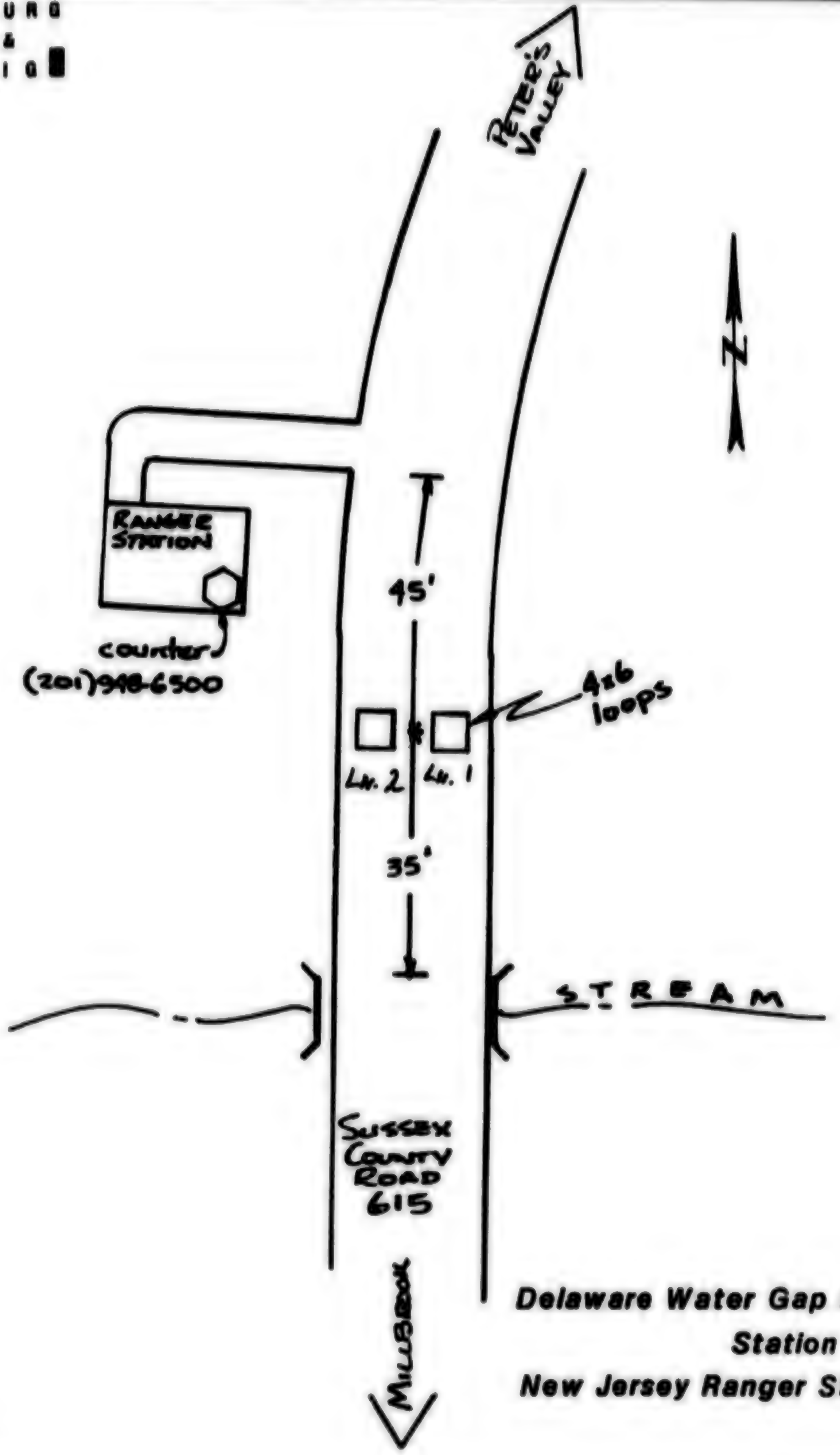
Month	Average Daily Traffic	Cumulative Percentage
10	686	12
8	677	24
7	660	35
5	632	46
4	582	56
6	468	64
11	432	72
9	419	79
12	370	85
3	312	91
2	268	95
1	267	100

DELAWARE WATER GAP NRA

45030 OLD MINE RD @ NEW JRSY RNGR STATN





Delaware Water Gap N.R.A.

Station 4503

New Jersey Ranger Station

National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45041

DINGMANS RD N. OF KHUN'S RD

Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	99	78	55	143	2.14	3.04	3.74
2	99	77	54	141	2.17	3.10	3.81
3	99	104	73	192	1.61	2.29	2.82
4	99	145	102	268	1.15	1.64	2.01
5	99	177	125	328	0.94	1.34	1.64
6	99	222	157	411	0.75	1.07	1.31
7	88	390	203	764	0.43	0.82	1.01
8	88	278	196	514	0.60	0.85	1.05
9	88	137	104	229	1.22	1.61	1.98
10	99	164	115	302	1.02	1.45	1.79
11	99	131	93	243	1.28	1.80	2.21
12	99	104	73	193	1.61	2.29	2.82

****

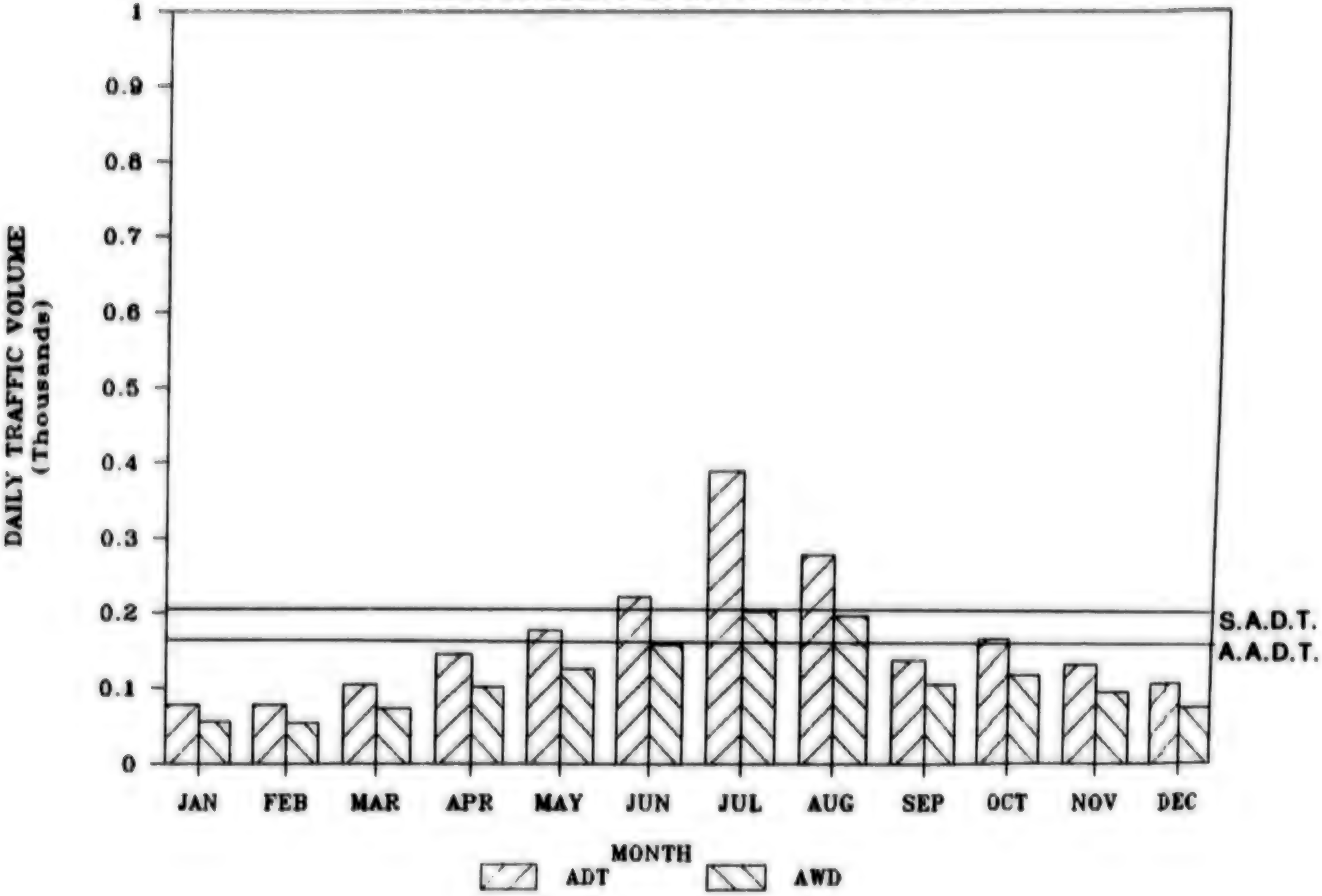
Annual Average Daily Traffic = 167
Annual Average Weekday Traffic = 112
Annual Average Weekend Traffic = 311
Seasonal Average Daily Traffic = 205

****

Month	Average Daily Traffic	Cumulative Percentage
7	390	19
8	278	33
6	222	44
5	177	53
10	164	61
4	145	69
9	137	75
11	131	82
3	104	87
12	104	92
1	78	96
2	77	100

DELAWARE WATER GAP NRA

45041 DINGMAN'S RD NO. OF KHUN'S RD



National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45042

RT 615 N. OF KHUN'S RD

Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	99	189	105	429	2.15	3.87	4.75
2	99	187	104	424	2.17	3.90	4.79
3	99	253	141	574	1.60	2.88	3.53
4	99	354	197	803	1.15	2.06	2.53
5	99	433	241	982	0.94	1.68	2.07
6	99	542	302	1231	0.75	1.34	1.65
7	88	805	426	1564	0.50	0.95	1.17
8	88	678	378	1539	0.60	1.07	1.32
9	88	456	349	748	0.89	1.16	1.43
10	99	399	222	905	1.02	1.83	2.24
11	99	320	179	727	1.27	2.27	2.78
12	99	254	142	577	1.60	2.86	3.51

```
*****************************************************************
 Annual Average Daily Traffic   =          406
 Annual Average Weekday Traffic =          232
 Annual Average Weekend Traffic =          875
 Seasonal Average Daily Traffic =          498
*****************************************************************
```

Month	Average Daily Traffic	Cumulative Percentage
7	805	17
8	678	30
6	542	42
9	456	51
5	433	60
10	399	68
4	354	75
11	320	82
12	254	87
3	253	92
1	189	96
2	187	100

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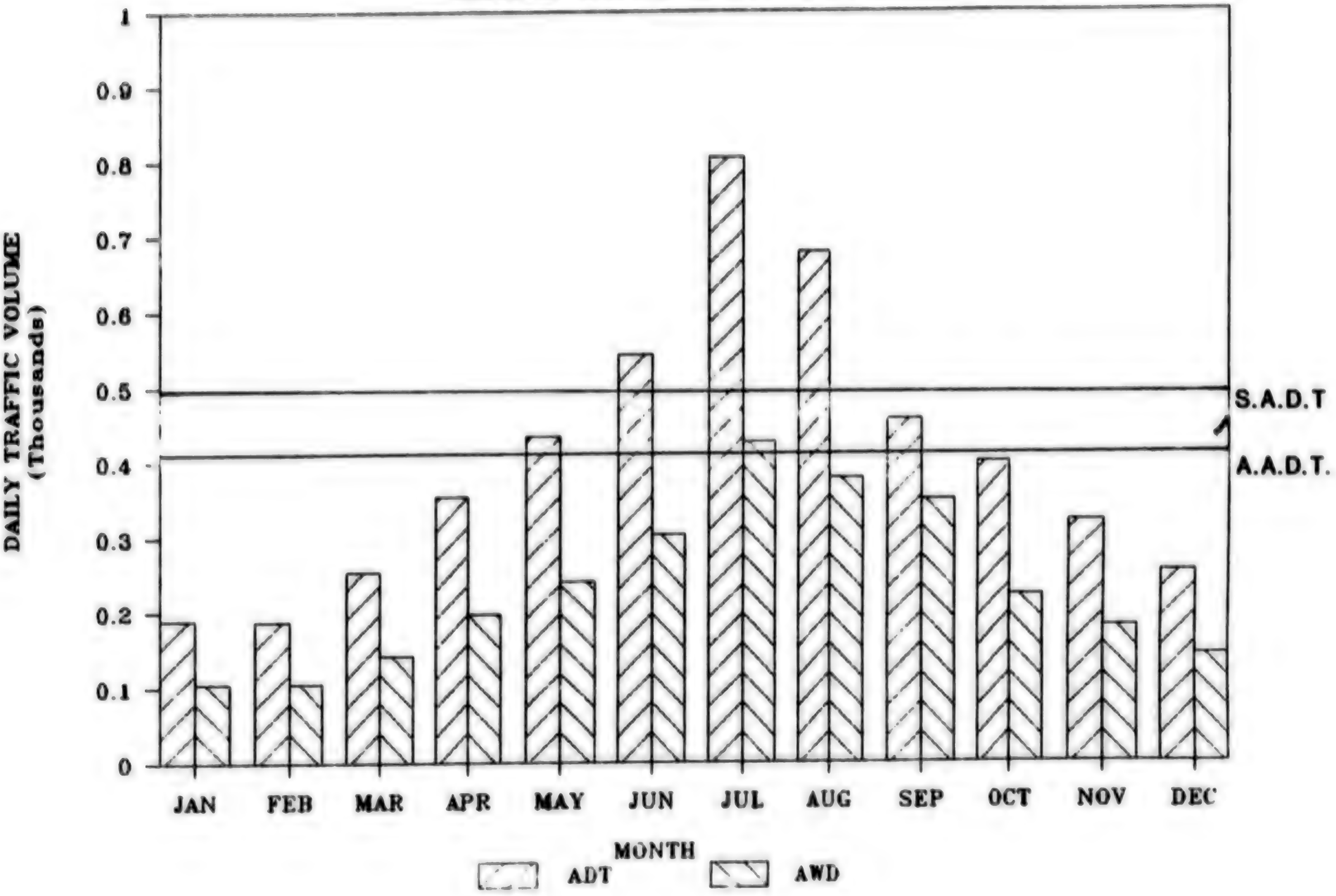
DELAWARE WATER GAP NRA

45042 RT 615 NO. OF KHUN'S RD



National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45043

RT 615 S. OF KHUN'S RD

Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	99	191	101	451	2.05	3.89	4.72
2	99	189	100	444	2.03	3.92	4.77
3	99	256	135	602	1.53	2.91	3.53
4	99	358	189	843	1.10	2.08	2.52
5	99	438	231	1031	0.90	1.70	2.07
6	99	549	290	1292	0.71	1.35	1.65
7	88	643	379	1174	0.61	1.04	1.26
8	88	686	362	1615	0.57	1.08	1.32
9	88	415	294	743	0.95	1.34	1.62
10	99	404	213	950	0.97	1.84	2.24
11	99	324	171	763	1.21	2.30	2.79
12	99	257	136	606	1.53	2.89	3.51

```
****************************************************************
 Annual Average Daily Traffic     =          392
 Annual Average Weekday Traffic =          217
 Annual Average Weekend Traffic =          876
 Seasonal Average Daily Traffic =          477
****************************************************************
```

Month	Average Daily Traffic	Cumulative Percentage
8	686	15
7	643	28
6	549	40
5	438	49
9	415	58
10	404	67
4	358	74
11	324	81
12	257	86
3	256	92
1	191	96
2	189	100

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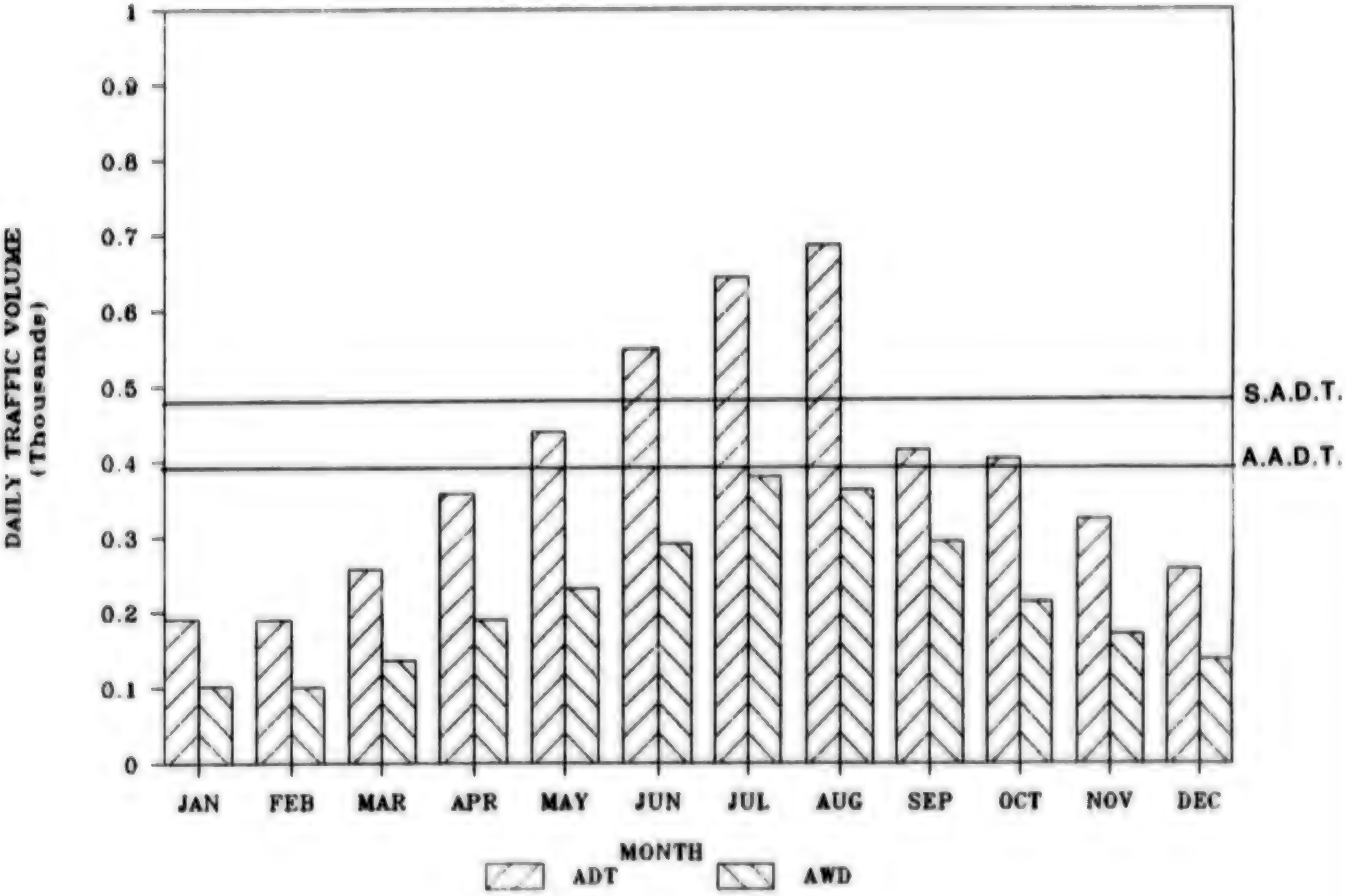
DELAWARE WATER GAP NRA

45043 RT 615 SO. OF KHUN'S RD



```
National Park Service Traffic Count Program

Delaware Water Gap NRA

Station:  45044

KHUN'S RD W. OF DINGMANS RD

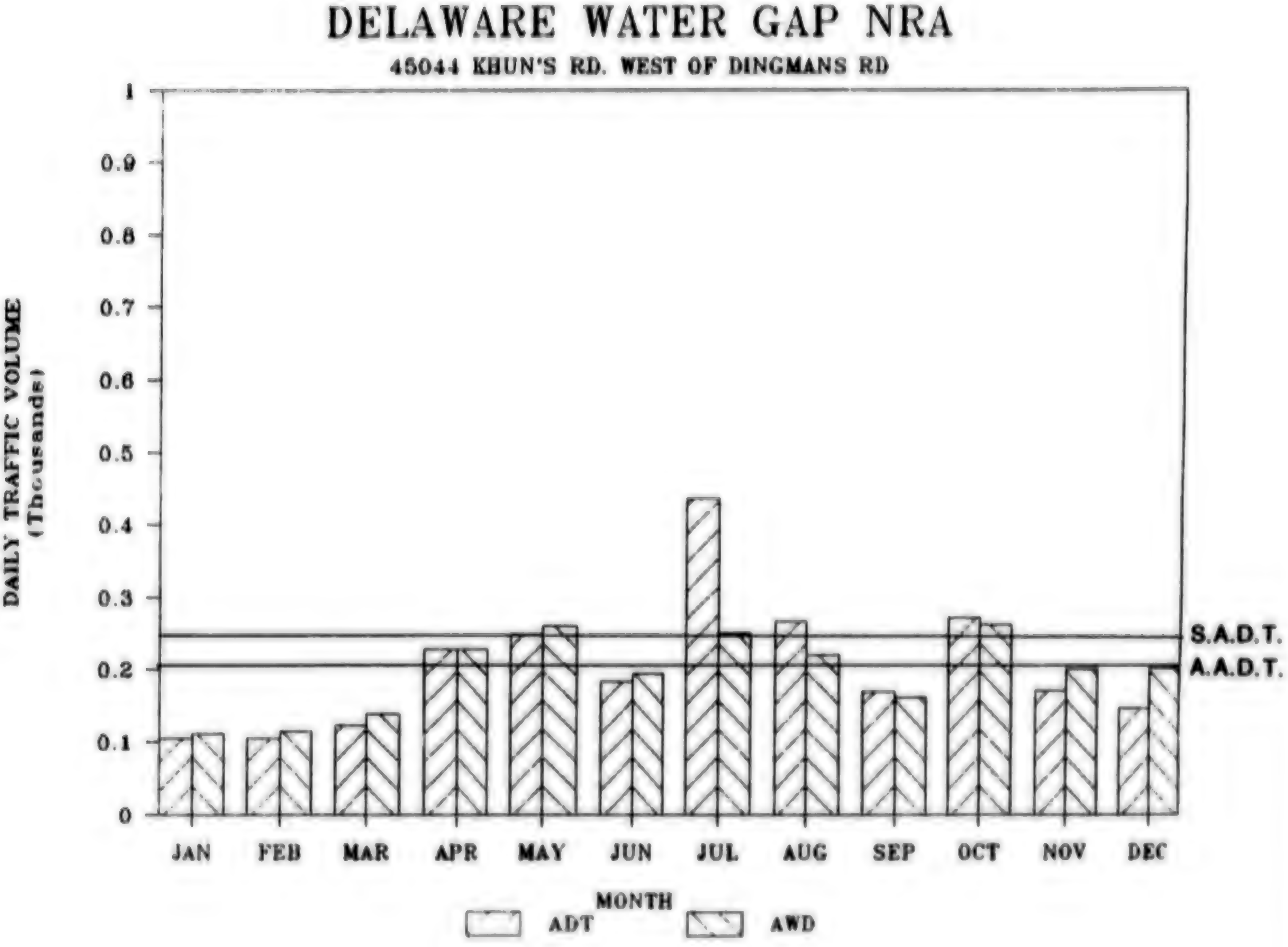

Month   Year  Average   Average      Average   Average   Average
                  Day   Weekday      Weekend     Daily   Weekday  Seasonal
               of the    of the  Day of the    Traffic   Traffic   Traffic
                Month     Month        Month    Factor    Factor    Factor

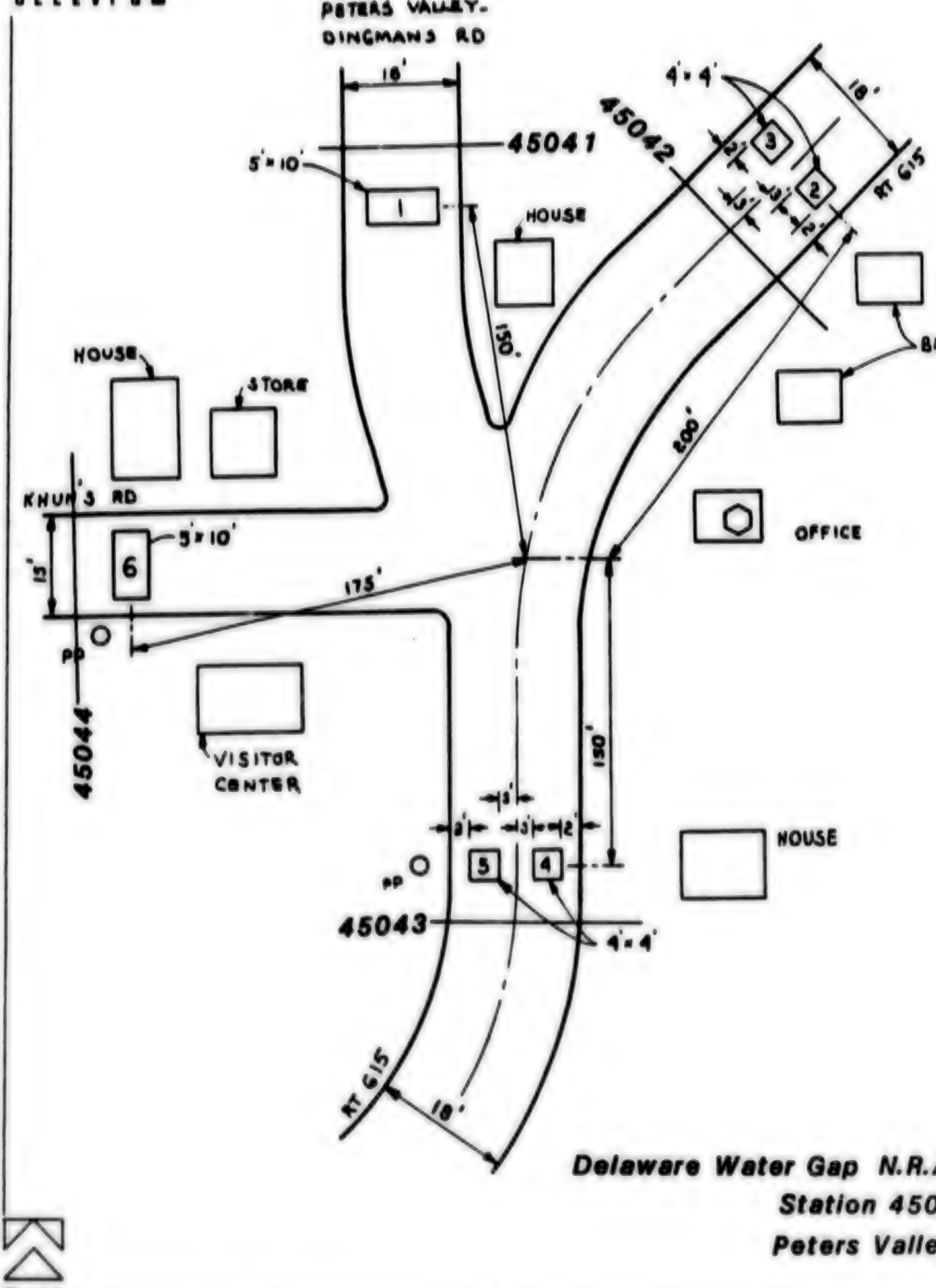

    1     99      105       111          115      1.94      1.84      2.22
    2     99      105       114          125      1.94      1.79      2.16
    3     99      123       139          146      1.66      1.47      1.77
    4     99      228       228          278      0.89      0.89      1.08
    5     99      248       260          291      0.82      0.78      0.95
    6     99      183       194          229      1.11      1.05      1.27
    7     88      435       250          807      0.47      0.82      0.98
    8     88      266       219          402      0.77      0.93      1.12
    9     88      169       161          191      1.21      1.27      1.53
   10     99      270       262          333      0.76      0.78      0.94
   11     99      170       200          179      1.20      1.02      1.23
   12     99      145       200          136      1.41      1.02      1.23


*******************************************************************
 Annual Average Daily Traffic    =          204
 Annual Average Weekday Traffic  =          195
 Annual Average Weekend Traffic  =          269
 Seasonal Average Daily Traffic  =          246
*******************************************************************


      Average
        Daily Cumulative
Month Traffic Percentage


    7     435         18
   10     270         29
    8     266         40
    5     248         50
    4     228         59
    6     183         67
   11     170         74
    9     169         80
   12     145         86
    3     123         91
    1     105         96
    2     105        100
```


DELAWARE WATER GAP NRA
45044 KHUN'S RD. WEST OF DINGMANS RD
DAILY TRAFFIC VOLUME (Thousands)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
S.A.D.T.
A.A.D.T.
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
MONTH
ADT
AWD



Delaware Water Gap N.R.A.
Station 4504
Peters Valley

National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45051

OLD MINE RD WEST OF FLATBROOK RD

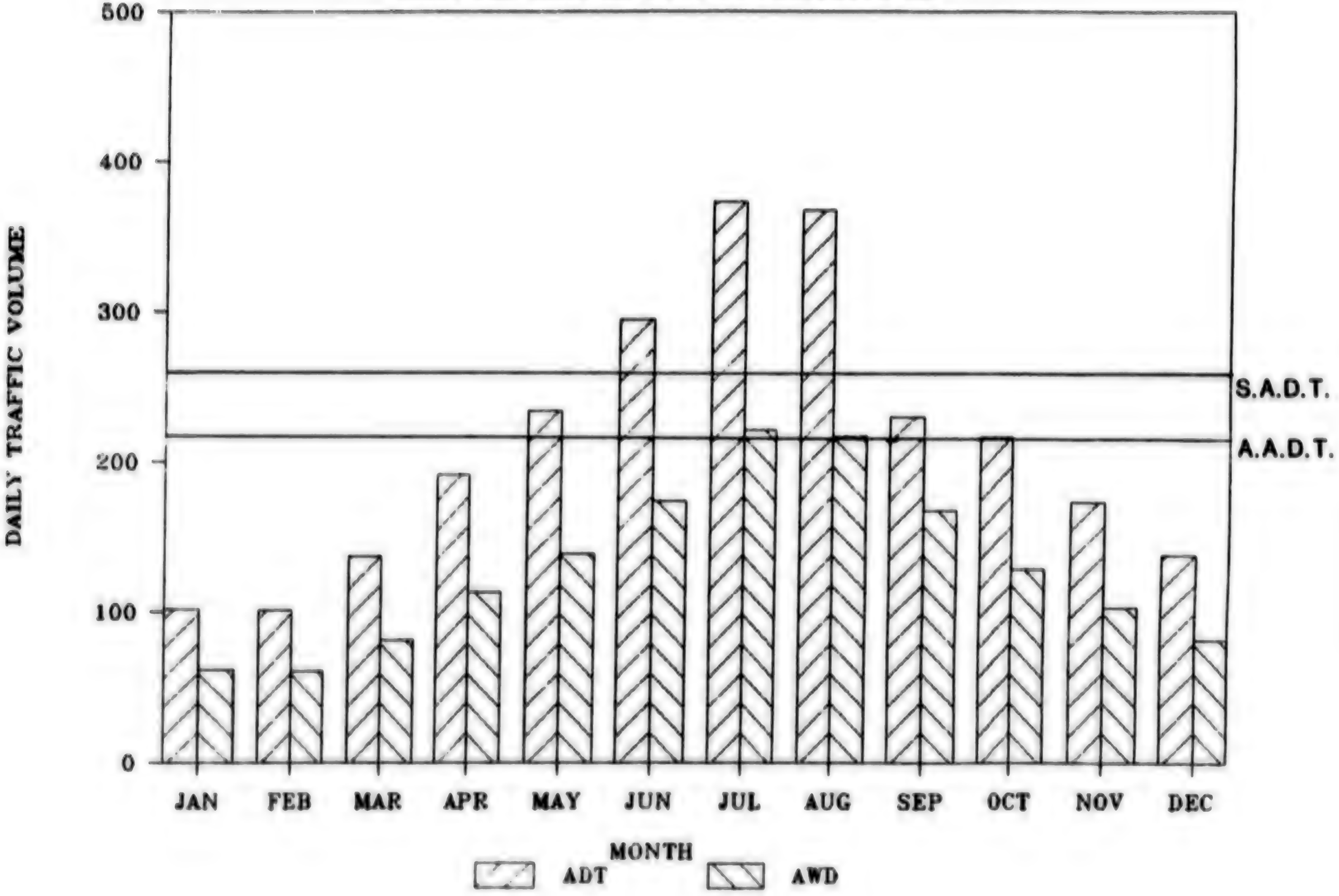
Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	99	102	61	196	2.09	3.49	4.26
2	99	101	60	194	2.11	3.55	4.33
3	99	137	81	262	1.55	2.63	3.21
4	99	191	113	367	1.12	1.88	2.30
5	99	234	139	449	0.91	1.53	1.87
6	99	294	174	563	0.72	1.22	1.49
7	99	373	221	716	0.57	0.96	1.18
8	88	367	217	704	0.58	0.98	1.20
9	88	230	167	404	0.93	1.28	1.56
10	99	216	128	414	0.99	1.66	2.03
11	99	173	103	333	1.23	2.07	2.52
12	99	138	81	264	1.54	2.63	3.21

```
****************************************************************
 Annual Average Daily Traffic   =          213
 Annual Average Weekday Traffic =          129
 Annual Average Weekend Traffic =          406
 Seasonal Average Daily Traffic =          259
****************************************************************
```

Month	Average Daily Traffic	Cumulative Percentage
7	373	15
8	367	29
6	294	40
5	234	50
9	230	59
10	216	67
4	191	75
11	173	81
12	138	87
3	137	92
1	102	96
2	101	100

DELAWARE WATER GAP NRA

45051 OLD MINE RD WEST OF FLATBROOK RD



National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45052

MILLBROOK-FLATBROOK RD NORTH OF OLD MINE RD

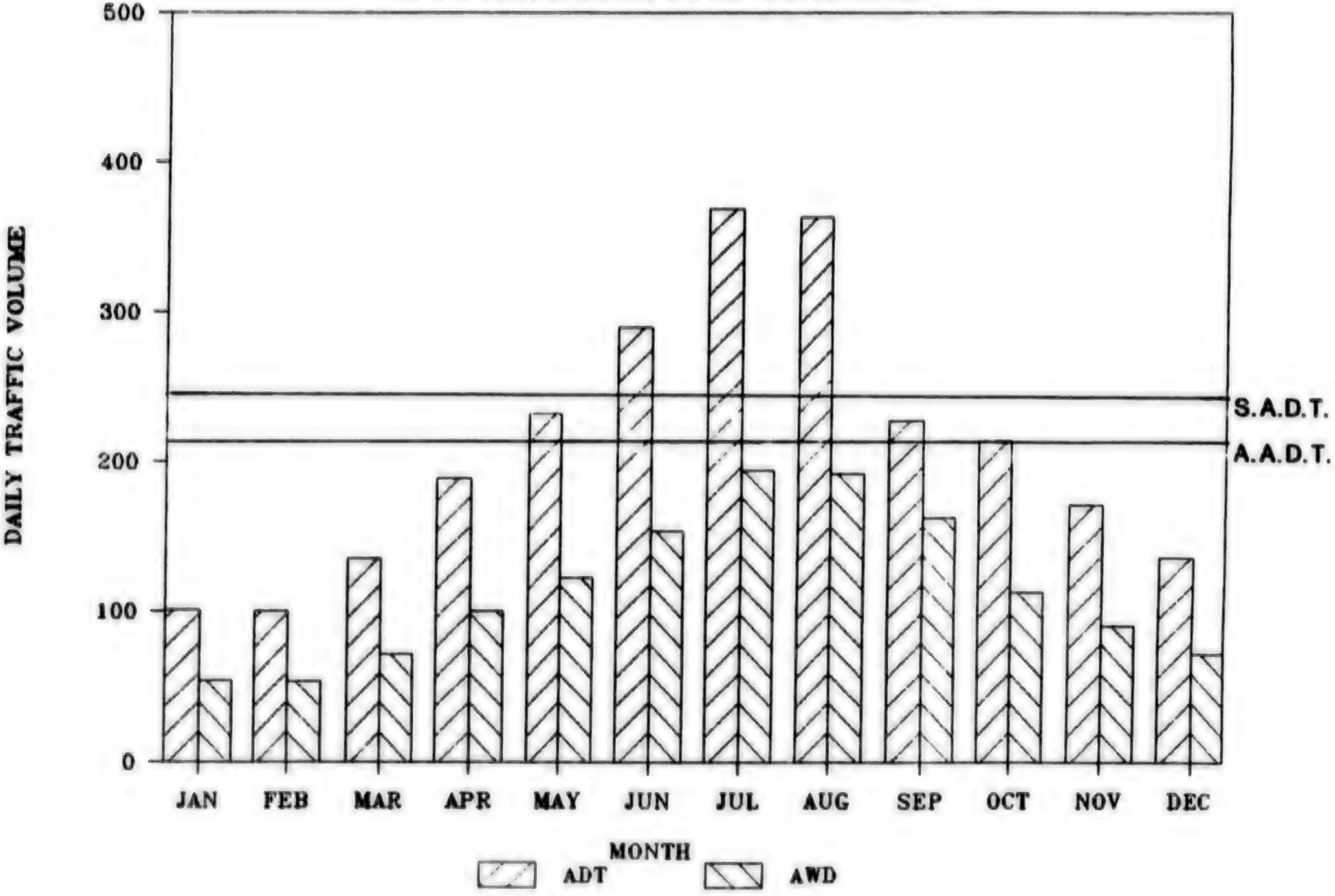
Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	99	101	54	208	2.08	3.90	4.51
2	99	100	53	206	2.11	3.97	4.59
3	99	135	72	278	1.56	2.92	3.38
4	99	189	100	390	1.11	2.11	2.43
5	99	232	123	477	0.91	1.71	1.98
6	99	290	154	598	0.73	1.37	1.58
7	99	369	195	760	0.57	1.08	1.25
8	88	363	192	747	0.58	1.10	1.27
9	88	227	163	402	0.93	1.29	1.49
10	99	214	113	439	0.98	1.86	2.15
11	99	171	91	353	1.23	2.31	2.68
12	99	136	72	280	1.55	2.92	3.38

```
*****************************************************************
 Annual Average Daily Traffic    =          211
 Annual Average Weekday Traffic =          115
 Annual Average Weekend Traffic =          428
 Seasonal Average Daily Traffic =          243
*****************************************************************
```

Month	Average Daily Traffic	Cumulative Percentage
7	369	15
8	363	29
6	290	40
5	232	50
9	227	59
10	214	67
4	189	75
11	171	81
12	136	87
3	135	92
1	101	96
2	100	100

DELAWARE WATER GAP NRA

45052 FLATBROOK RD NO. OF OLD MINE RD.



National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45053

BLAIRSTOWN-MILLBROOK RD EAST OF FLATBROOK RD

Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	99	95	55	186	2.07	3.58	4.37
2	99	94	54	183	2.10	3.65	4.45
3	99	127	73	248	1.55	2.70	3.29
4	99	178	102	347	1.11	1.93	2.35
5	99	218	125	424	0.90	1.58	1.92
6	99	273	157	532	0.72	1.26	1.53
7	99	347	199	676	0.57	0.99	1.21
8	88	341	196	665	0.58	1.01	1.23
9	88	202	151	341	0.98	1.31	1.59
10	99	201	115	391	0.98	1.71	2.09
11	99	161	93	314	1.22	2.12	2.58
12	99	128	73	249	1.54	2.70	3.29

****

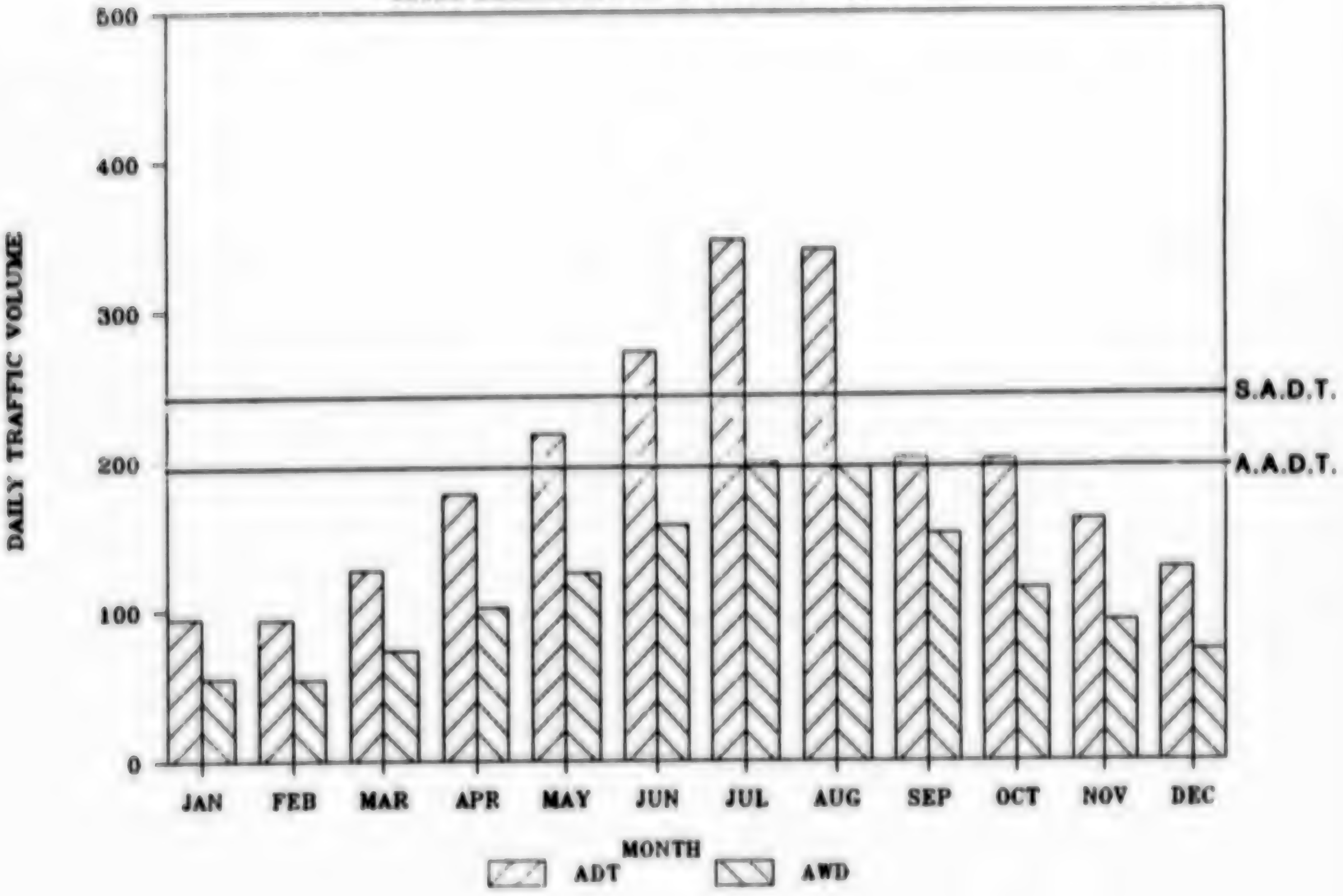
Annual Average Daily Traffic = 197
Annual Average Weekday Traffic = 116
Annual Average Weekend Traffic = 380
Seasonal Average Daily Traffic = 240

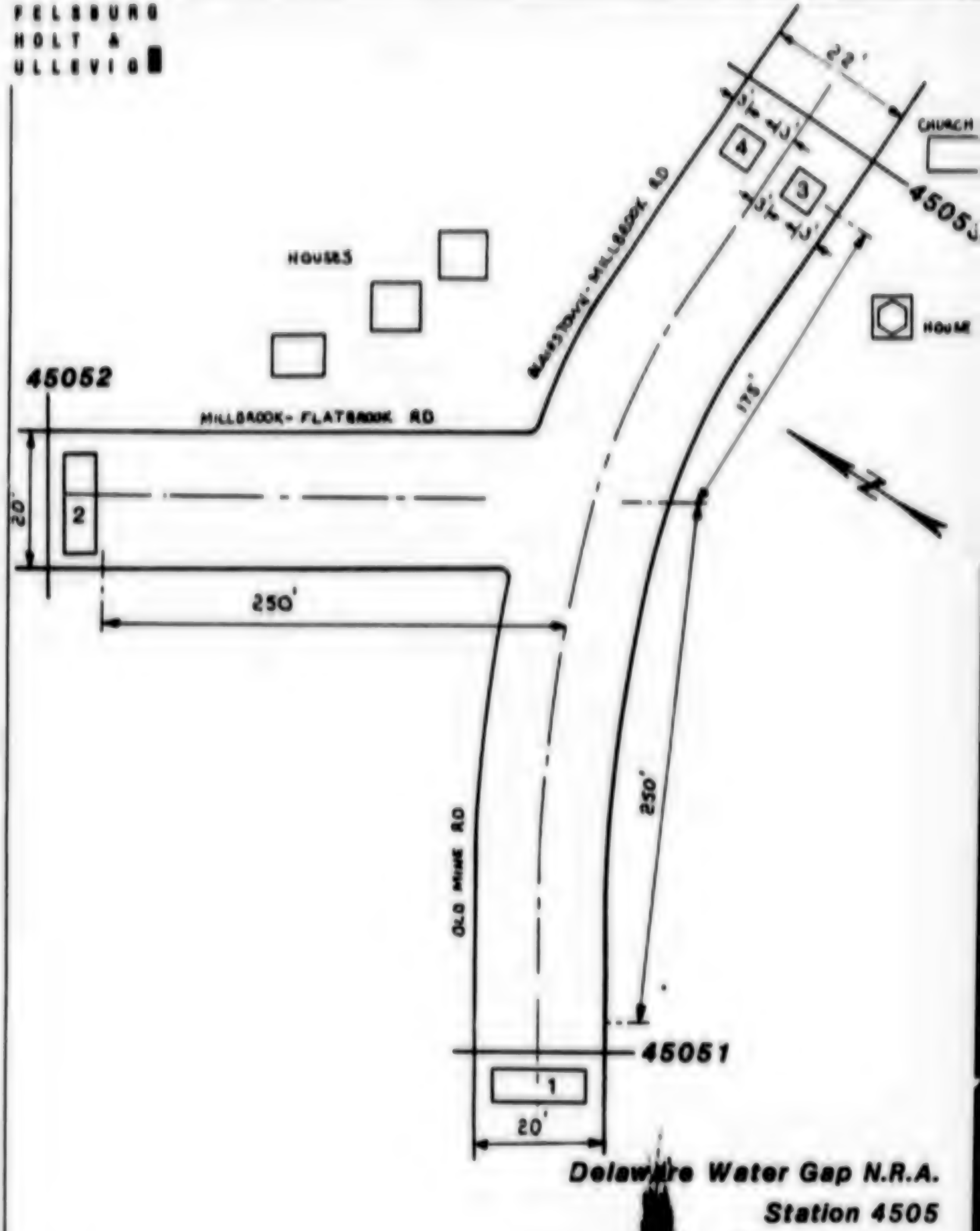
****

Month	Average Daily Traffic	Cumulative Percentage
7	347	15
8	341	29
6	273	41
5	218	50
9	202	58
10	201	67
4	178	74
11	161	81
12	128	87
3	127	92
1	95	96
2	94	100

DELAWARE WATER GAP NRA

45053 BLAIRSTOWN RD E. OF FLATBROOK RD





Delaware Water Gap N.R.A.
Station 4505
Millbrook Village

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National Park Service Traffic Count Program

Delaware Water Gap NRA

Station:  45061

OLD MINE RD N OF WORTHINGTON CAMPGROUND ENTRANCE

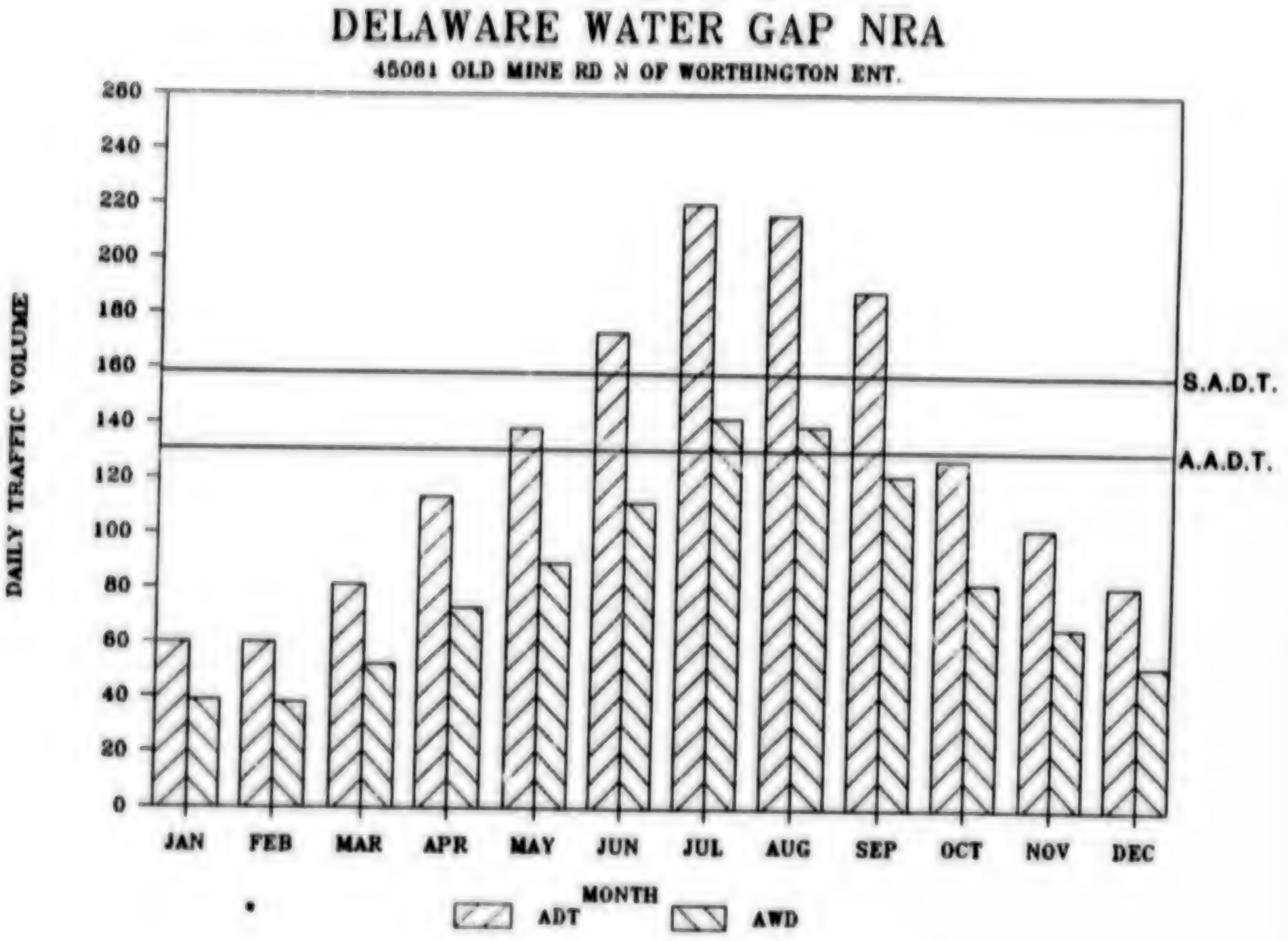

Month  Year  Average  Average    Average  Average  Average
                 Day  Weekday    Weekend    Daily  Weekday Seasonal
              of the   of the Day of the  Traffic  Traffic  Traffic
               Month    Month      Month   Factor   Factor   Factor


    1    99       60       39        125     2.17     3.33     4.09
    2    99       60       38        124     2.17     3.42     4.20
    3    99       81       52        168     1.60     2.50     3.07
    4    99      113       73        235     1.15     1.78     2.19
    5    99      138       89        287     0.94     1.46     1.79
    6    99      173      111        360     0.75     1.17     1.44
    7    99      220      142        457     0.59     0.91     1.12
    8    99      216      139        450     0.60     0.93     1.15
    9    88      188      121        391     0.69     1.07     1.32
   10    99      127       82        264     1.02     1.58     1.95
   11    99      102       66        212     1.27     1.97     2.42
   12    99       81       52        169     1.60     2.50     3.07

 ********************************************************************
  Annual Average Daily Traffic    =          130
  Annual Average Weekday Traffic =           84
  Annual Average Weekend Traffic =          270
  Seasonal Average Daily Traffic =          159
 ********************************************************************


      Average
        Daily Cumulative
Month Traffic Percentage


    7     220         14
    8     216         28
    9     188         40
    6     173         51
    5     138         60
   10     127         68
    4     113         75
   11     102         82
    3      81         87
   12      81         92
    1      60         96
    2      60        100
```


DELAWARE WATER GAP NRA
45061 OLD MINE RD N OF WORTHINGTON ENT.
DAILY TRAFFIC VOLUME
0
20
40
60
80
100
120
140
160
180
200
220
240
260
S.A.D.T.
A.A.D.T.
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
MONTH
ADT
AWD

National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45062

OLD MINE RD S OF WORTHINGTON CAMPGROUND ENTRANCE

Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	99	50	34	98	2.16	3.17	3.90
2	99	49	34	96	2.20	3.17	3.90
3	99	67	45	130	1.61	2.40	2.95
4	99	94	64	182	1.15	1.68	2.07
5	99	115	78	223	0.94	1.38	1.70
6	99	144	98	280	0.75	1.10	1.35
7	99	182	124	356	0.59	0.87	1.07
8	99	179	122	350	0.60	0.88	1.09
9	88	156	106	304	0.69	1.02	1.25
10	99	106	72	206	1.02	1.50	1.84
11	99	85	58	165	1.27	1.86	2.29
12	99	67	46	131	1.61	2.34	2.88

****

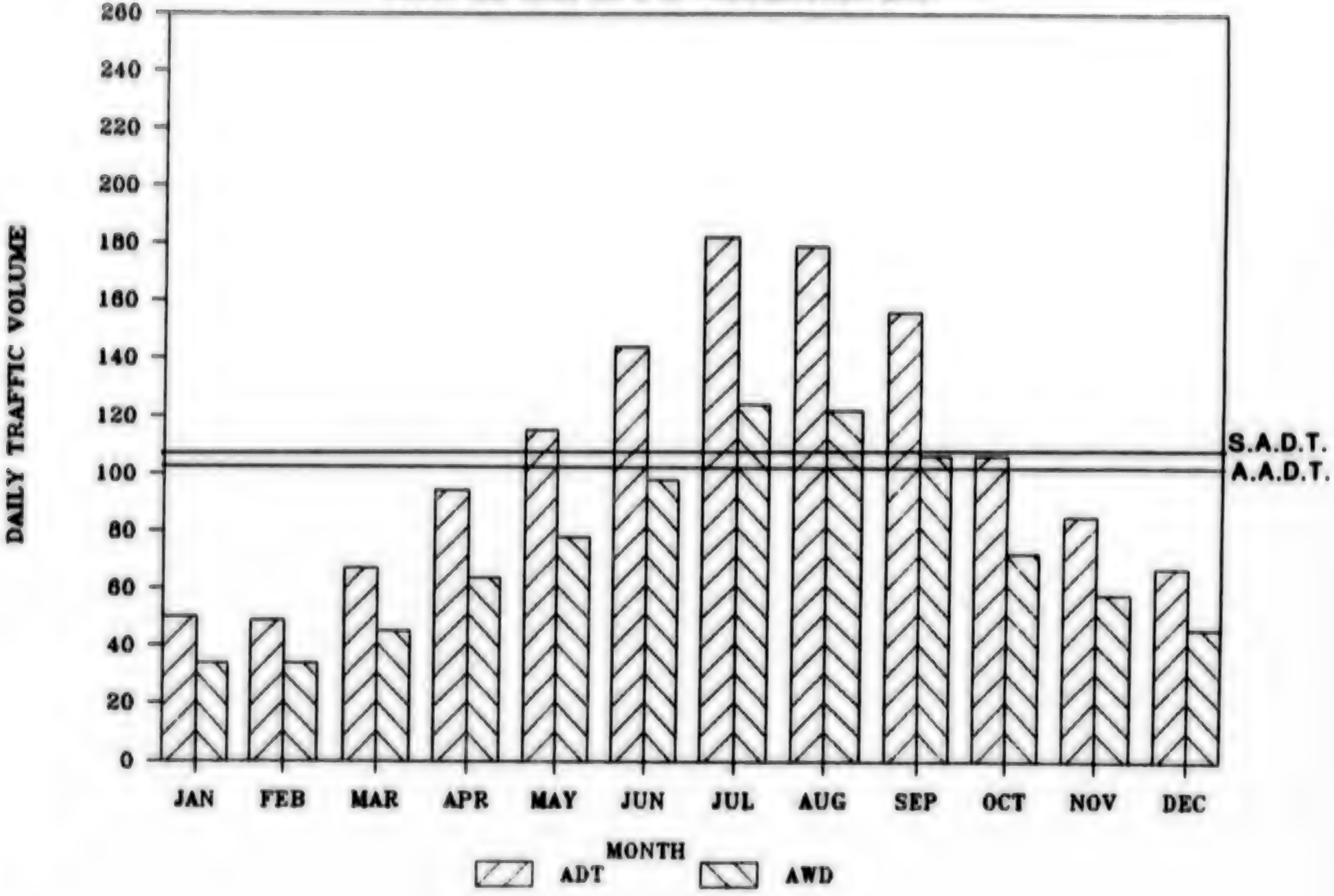
Annual Average Daily Traffic = 108
Annual Average Weekday Traffic = 73
Annual Average Weekend Traffic = 210
Seasonal Average Daily Traffic = 132

****

Month	Average Daily Traffic	Cumulative Percentage
7	182	14
8	179	28
9	156	40
6	144	51
5	115	60
10	106	68
4	94	75
11	85	82
3	67	87
12	67	92
1	50	96
2	49	100

DELAWARE WATER GAP NRA

45062 OLD MINE RD S OF WORTHINGTON ENT.



National Park Service Traffic Count Program

Delaware Water Gap NRA

Station: 45063

WORTHINGTON CAMPGROUND ENTRANCE W OF OLD MINE RD

Month	Year	Average Day of the Month	Average Weekday of the Month	Average Weekend Day of the Month	Average Daily Traffic Factor	Average Weekday Traffic Factor	Seasonal Traffic Factor
1	99	5	3	11	2.07	3.44	4.25
2	99	5	3	11	2.07	3.44	4.25
3	99	6	3	15	1.72	3.44	4.25
4	99	9	5	21	1.15	2.07	2.55
5	99	11	6	26	0.94	1.72	2.12
6	99	14	7	32	0.74	1.48	1.82
7	99	18	9	41	0.57	1.15	1.42
8	99	17	9	40	0.61	1.15	1.42
9	88	15	8	35	0.69	1.29	1.59
10	99	10	5	24	1.03	2.07	2.55
11	99	8	4	19	1.29	2.58	3.19
12	99	6	3	15	1.72	3.44	4.25

****

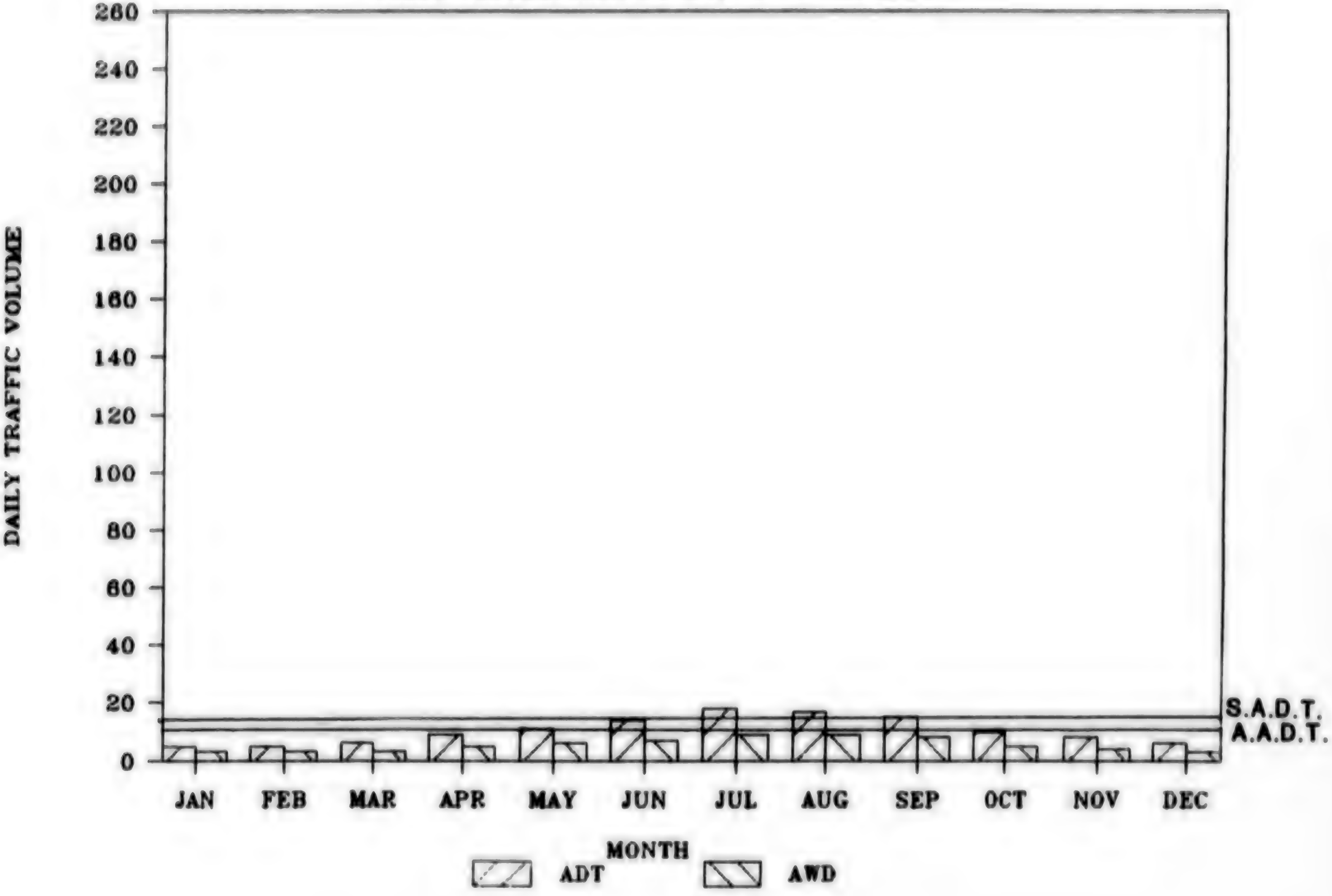
Annual Average Daily Traffic = 10
Annual Average Weekday Traffic = 5
Annual Average Weekend Traffic = 24
Seasonal Average Daily Traffic = 12

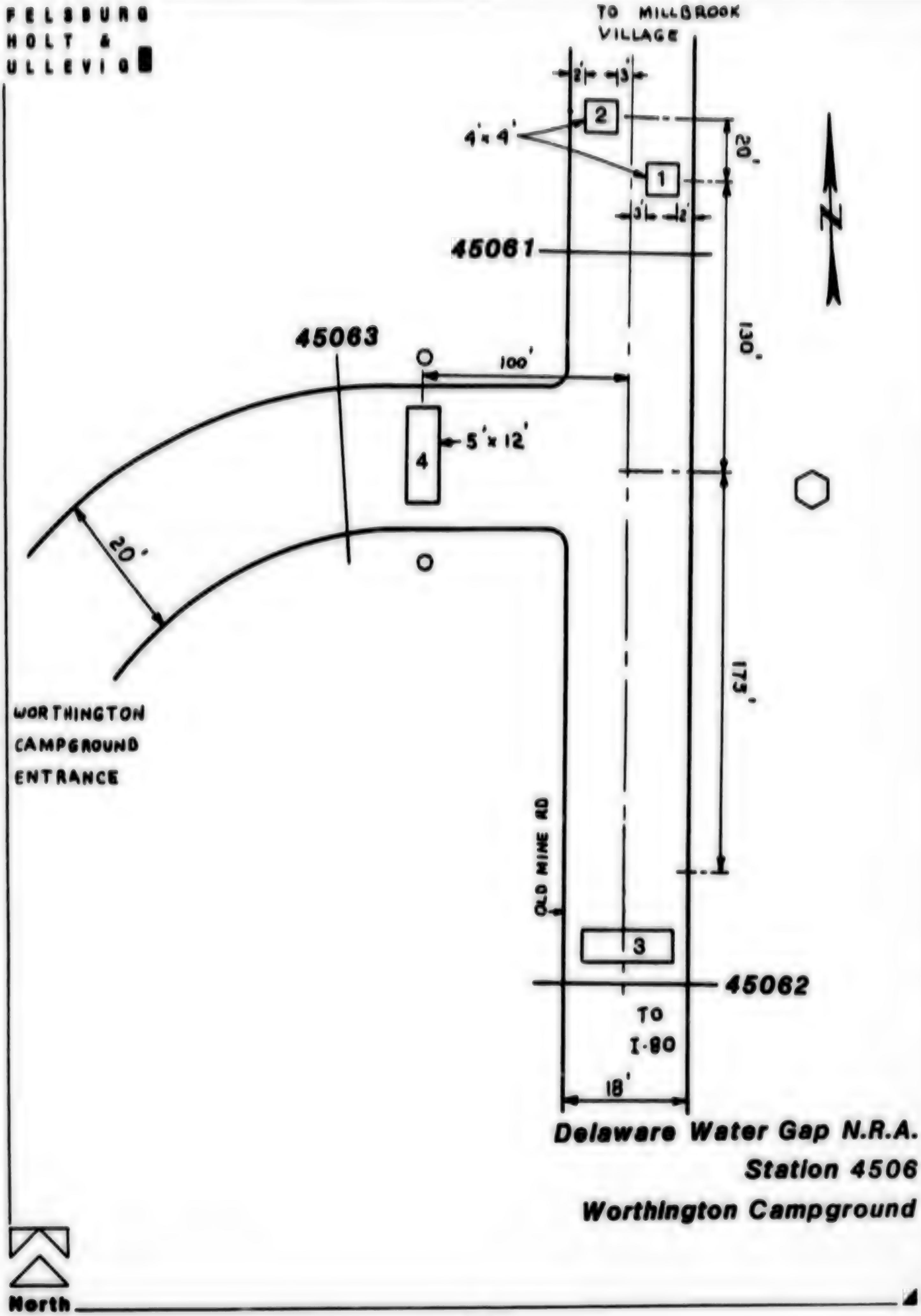
****

Month	Average Daily Traffic	Cumulative Percentage
7	18	15
8	17	28
9	15	40
6	14	52
5	11	60
10	10	69
4	9	76
11	8	82
3	6	87
12	6	92
1	5	96
2	5	100

DELAWARE WATER GAP NRA

45063 WORTHINGTON CG ENT. W OF OLD MINE





Delaware Water Gap N.R.A.

Station 4506

Worthington Campground

Intersection Turning Movement Counts
US 209/PA 739

Wednesday, 7/13/88

Time	US 209 Southbound			PA 739 Westbound			US 209 Northbound			PA 739 Eastbound			Total
	RT	Thru	LT	RT	Thru	LT	RT	Thru	LT	RT	Thru	LT	
6:00- 7:00 AM	4	23	0	1	9	4	13	57	8	15	189	16	339
7:00- 8:00 AM	11	49	0	0	18	2	17	74	8	17	187	8	391
8:00- 9:00 AM	15	67	2	1	30	5	9	113	15	13	114	34	418
9:00-10:00 AM	13	99	2	4	24	15	5	111	8	20	78	29	408
10:00-11:00 AM	14	114	4	4	30	15	17	114	15	28	54	27	436
11:00-12:00 PM	24	186	8	3	40	22	9	190	27	28	46	20	603
3:00- 4:00 PM	20	154	6	0	96	14	17	146	34	24	45	11	567
4:00- 5:00 PM	24	215	5	4	160	11	7	120	28	21	48	17	660
5:00- 6:00 PM	28	136	3	5	226	19	12	122	41	21	57	13	683
6:00- 7:00 PM	24	86	3	4	164	21	13	91	13	16	44	19	498
	177	1129	33	26	797	128	119	1138	197	203	862	194	5,003
Percentage of Total Vehicles Entering Intersection													
7:00- 8:00 AM	2.8	12.5	0	0	4.6	0.5	4.3	18.9	2.0	4.3	47.8	2.0	
5:00- 6:00 PM	4.1	19.9	0.4	0.7	33.1	2.8	1.8	17.9	6.0	3.1	8.3	1.9	

Counts conducted by National Park Service personnel.

Intersection Turning Movement Counts
US 209/PA 739

Sunday, 7/10/88

	US 209 Southbound			PA 739 Westbound			US 209 Northbound			PA 739 Eastbound			
Time	**RT**	**Thru**	**LT**	**RT**	**Thru**	**LT**	**RT**	**Thru**	**LT**	**RT**	**Thru**	**LT**	**Total**
10:00-11:00 AM	19	209	20	31	105	42	16	169	23	55	121	18	828
11:00-12:00 PM	23	250	10	17	126	60	30	241	45	44	141	29	1,016
12:00- 1:00 PM	20	238	23	24	141	66	39	255	59	58	146	25	1,094
1:00- 2:00 PM	33	264	16	11	173	35	40	299	55	51	155	8	1,140
2:00- 3:00 PM	25	310	15	11	121	31	56	309	57	48	211	15	1,209
3:00- 4:00 PM	19	248	24	12	83	44	51	326	43	46	222	16	1,134
4:00- 5:00 PM	16	218	23	16	70	36	45	253	38	45	196	25	981
5:00- 6:00 PM	10	193	14	22	78	51	65	237	39	47	196	23	975
6:00- 7:00 PM	7	200	15	6	57	20	40	209	28	29	206	20	837
7:00- 8:00 PM	6	162	11	5	86	14	22	166	18	44	260	14	808
	178	2292	171	155	1040	399	404	2464	405	467	1854	193	10,022
Percentage of Total Vehicles Entering Intersection													
2:00- 3:00 PM	2.1	25.6	1.2	0.9	10.0	2.6	4.6	25.6	4.7	4.0	17.5	1.2	
Daily	1.8	22.9	1.7	1.5	10.4	4.0	4.0	24.6	4.0	4.7	18.5	1.9	

Counts conducted by National Park Service personnel.

Average Traffic Volumes by Day of Week
US 209 - South of Dingman's Ferry

	August 1988	October 1988	November 1988
Sunday	8,578	7,700	5,528
Monday	5,122	4,493	3,338
Tuesday	4,406	3,666	3,087
Wednesday	4,414	3,626	3,632
Thursday	4,942	4,040	3,494
Friday	6,774	5,870	4,759
Saturday	7,550	6,069	5,053

END

DATE FILMED

03/20/92